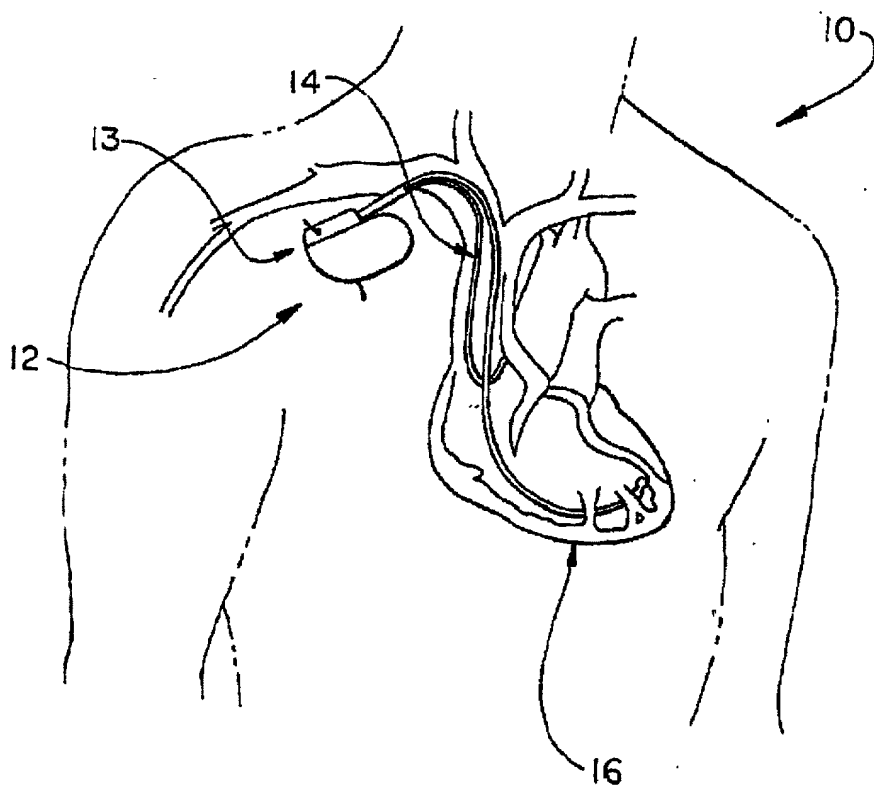


**Fig. 1**



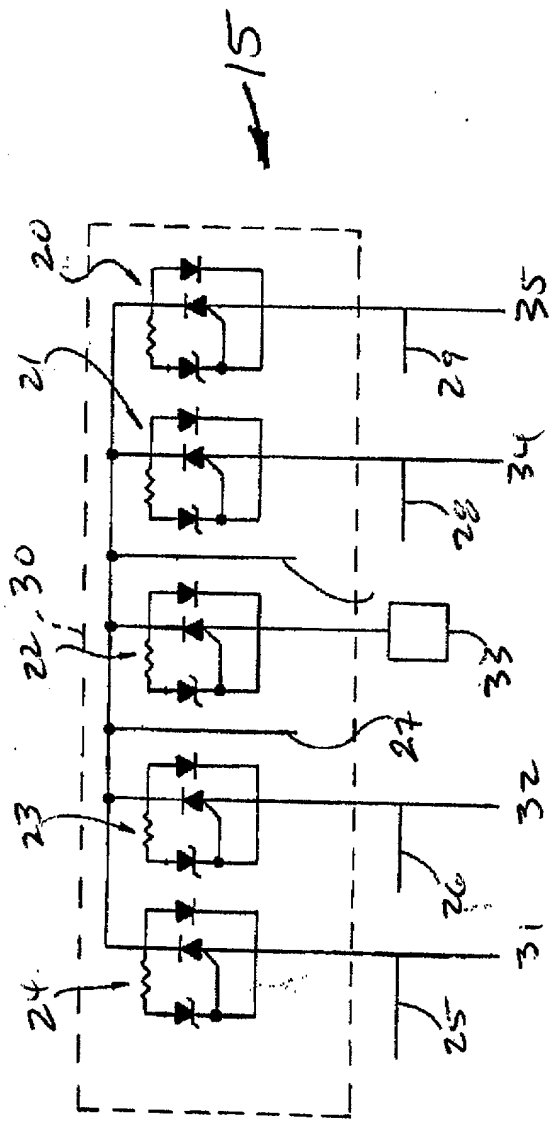


Fig. 2

205720" 8/26/2007

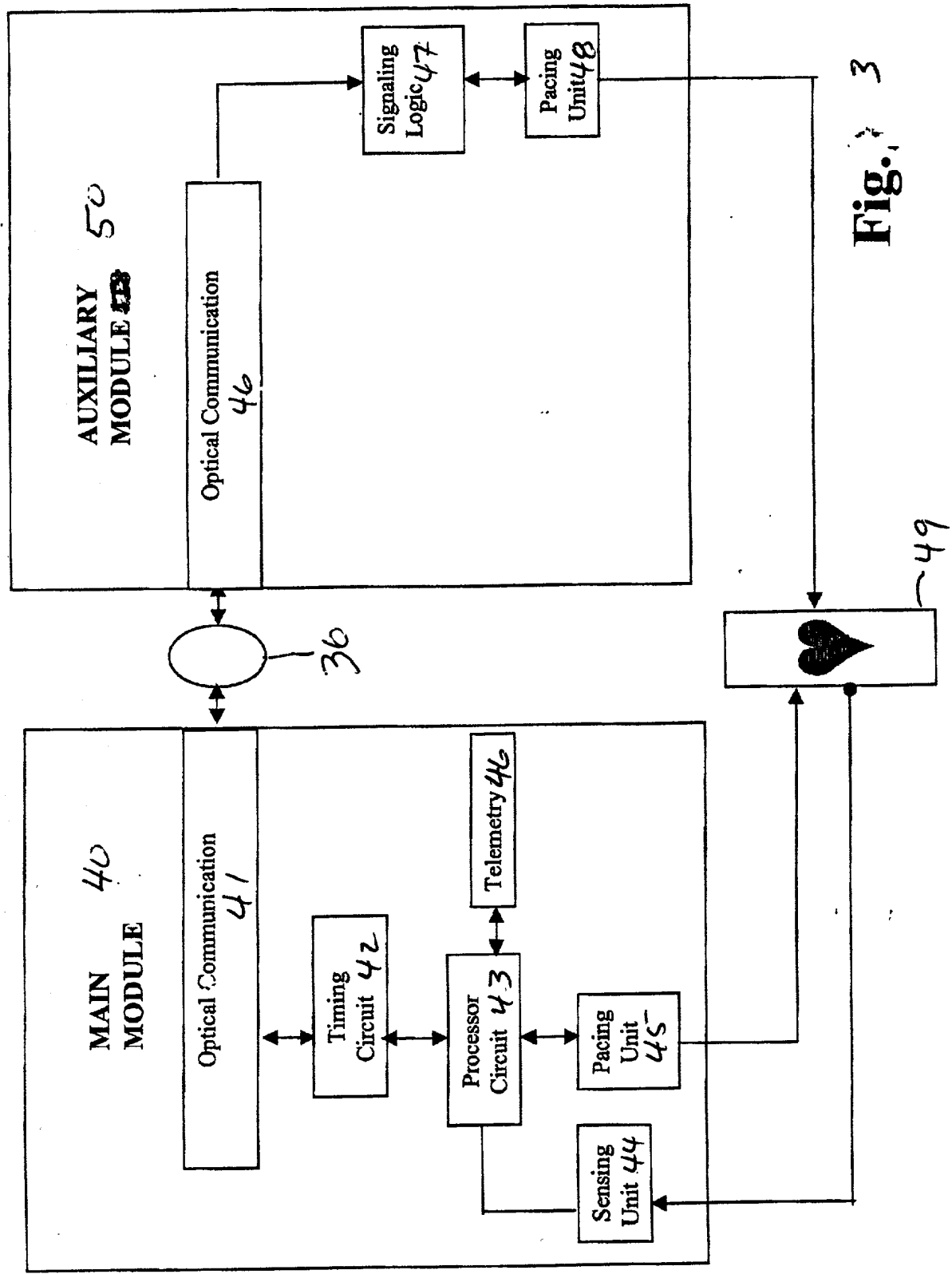


Fig. 3

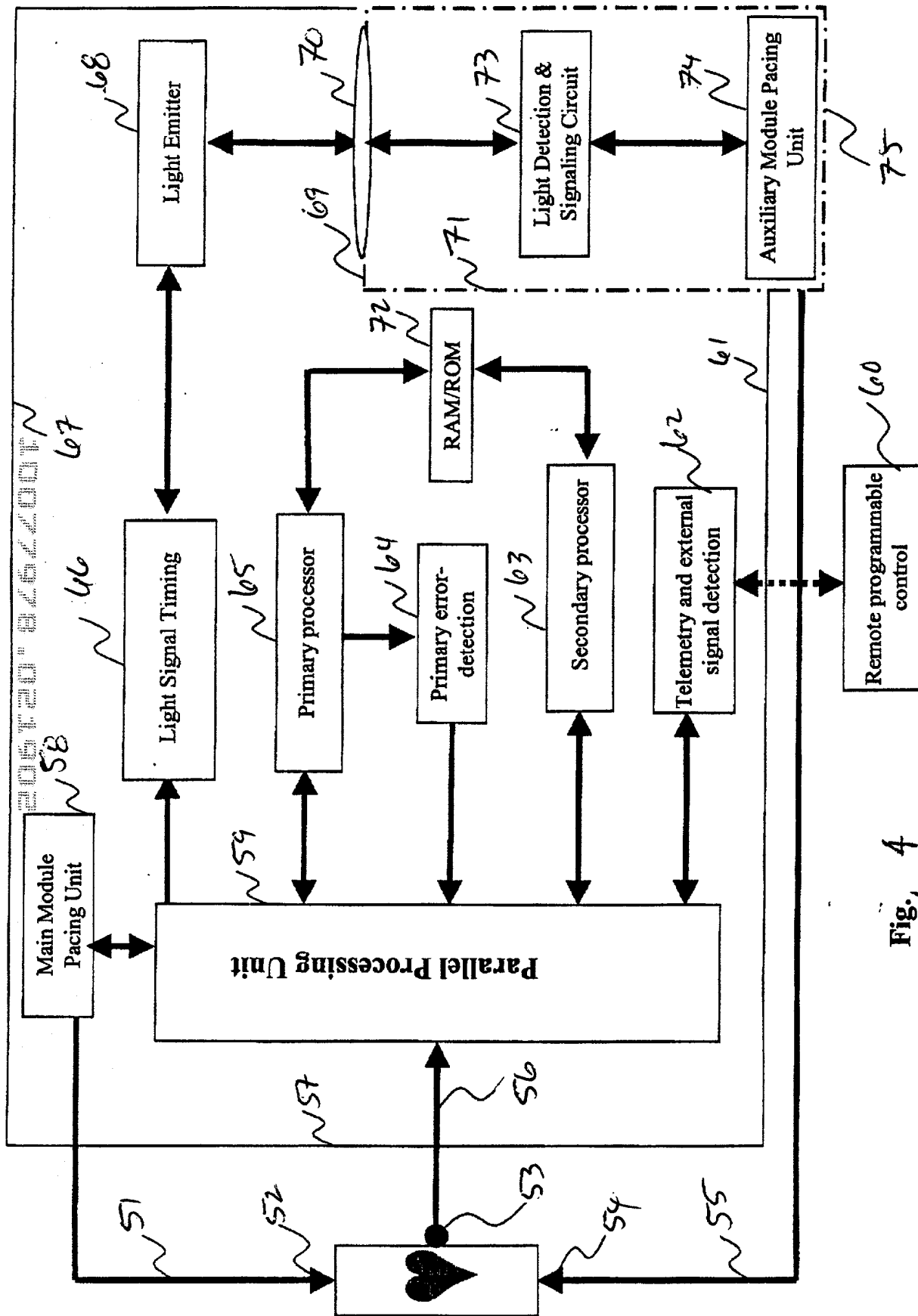


Fig. 4



FIG 7

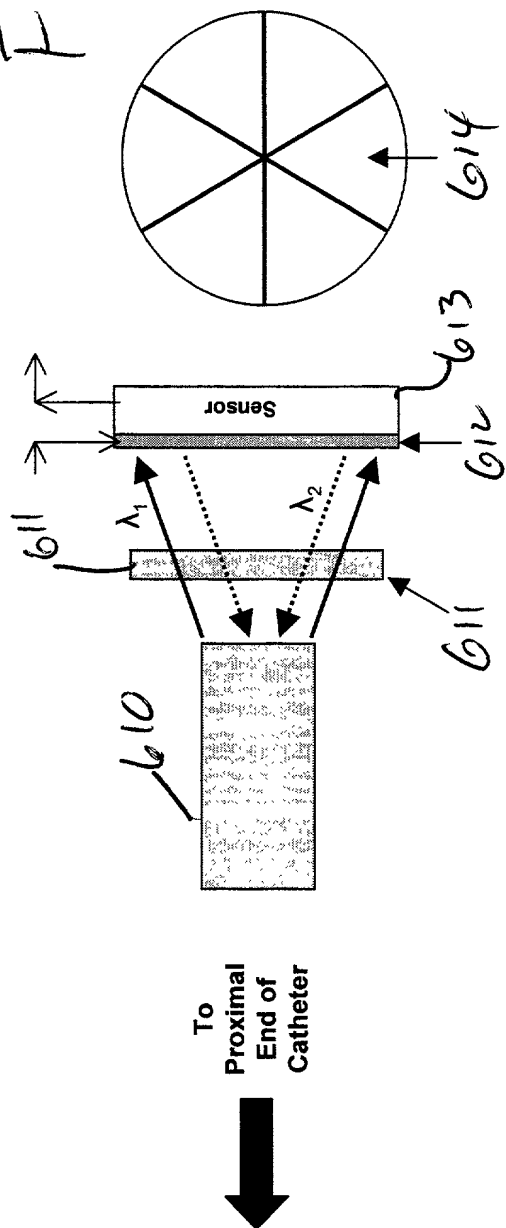
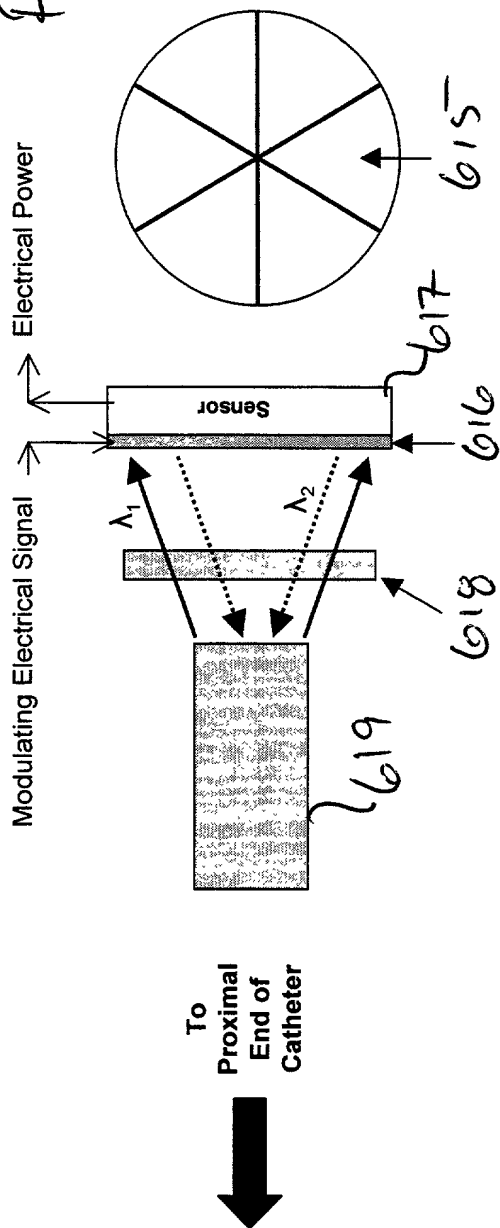
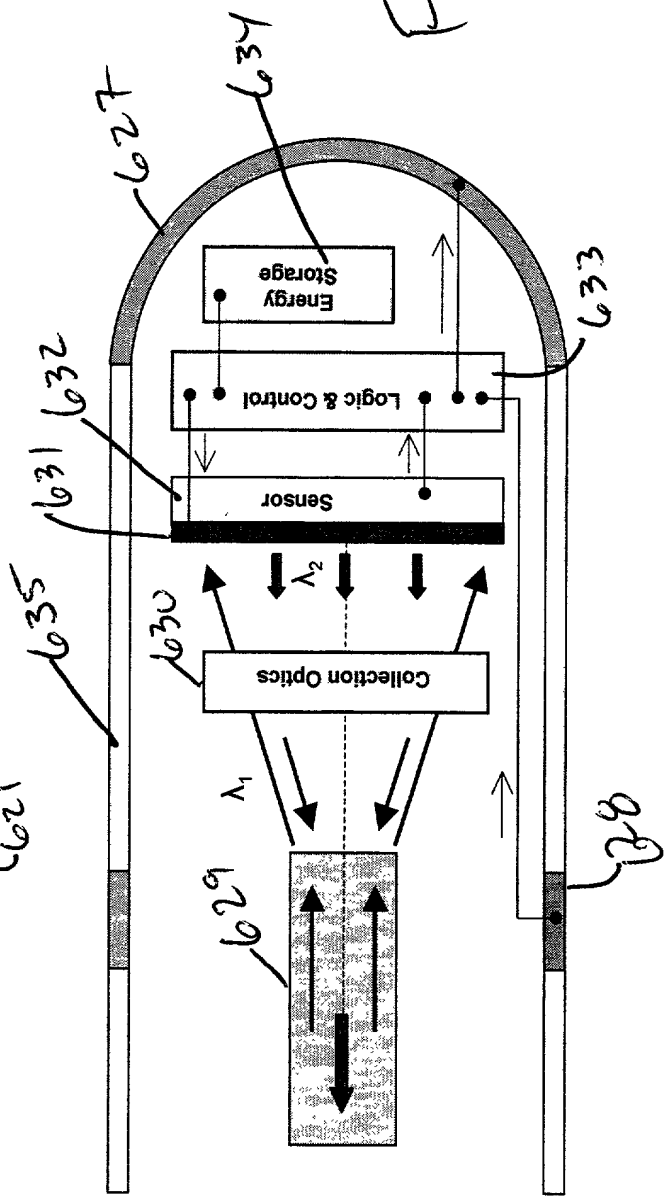
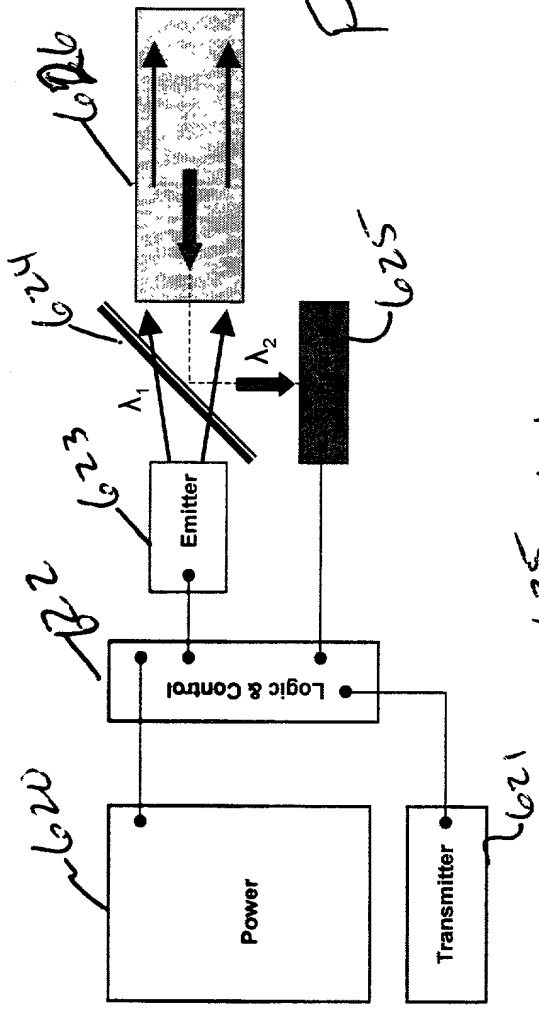


FIG 8





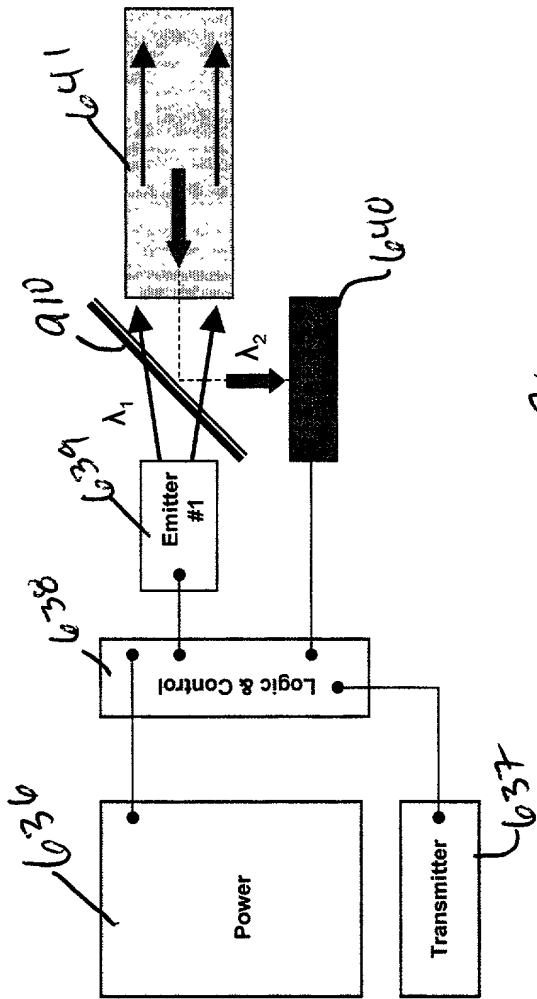


FIG. 1

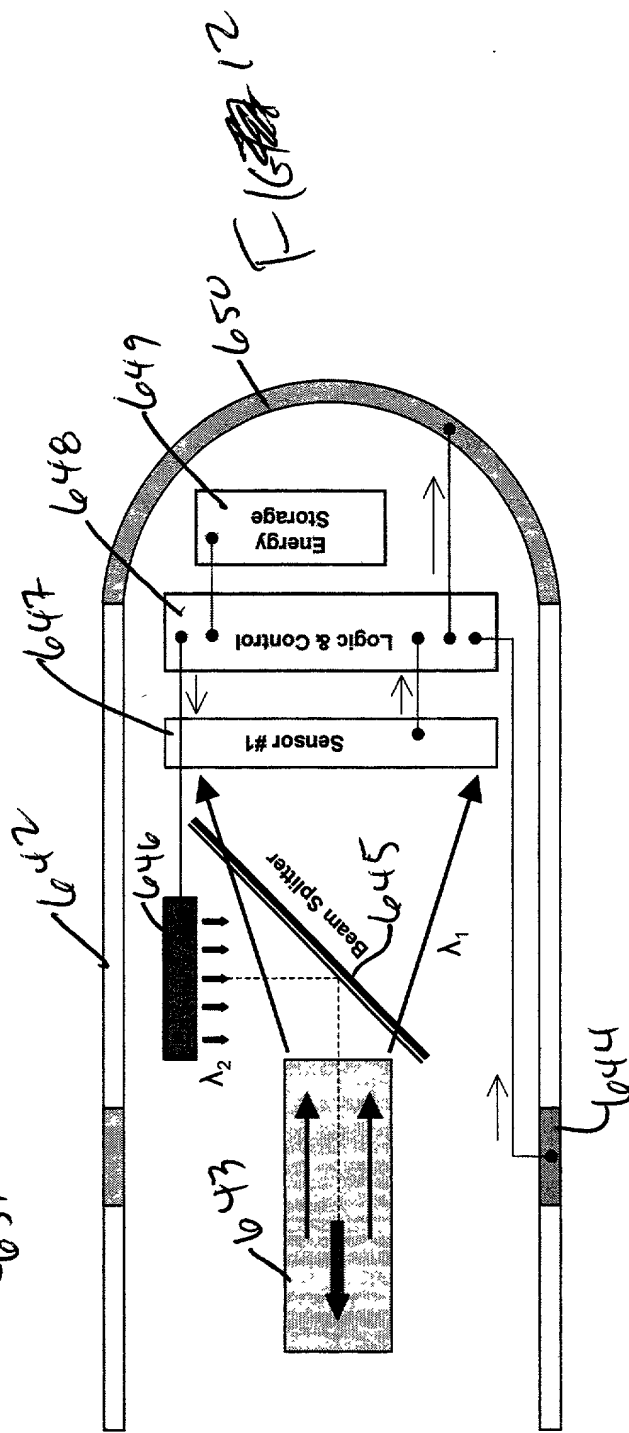
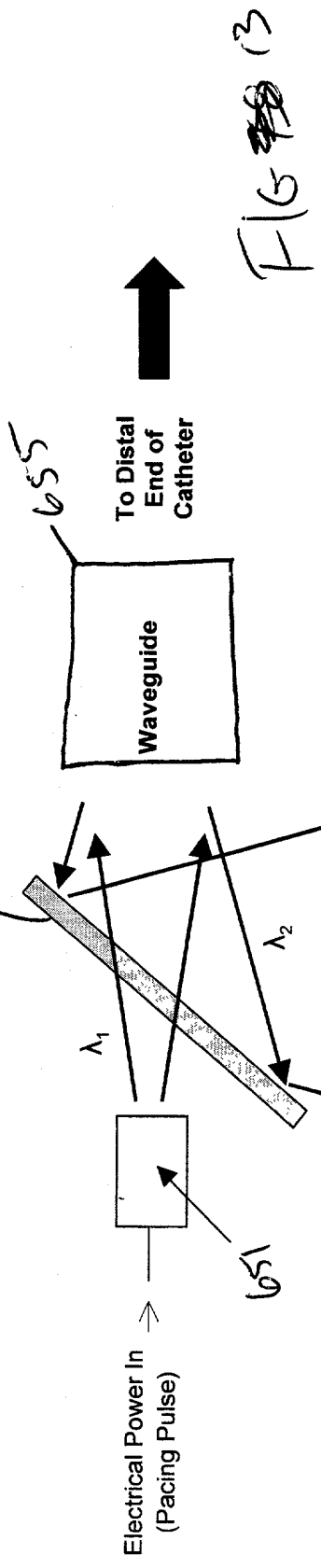


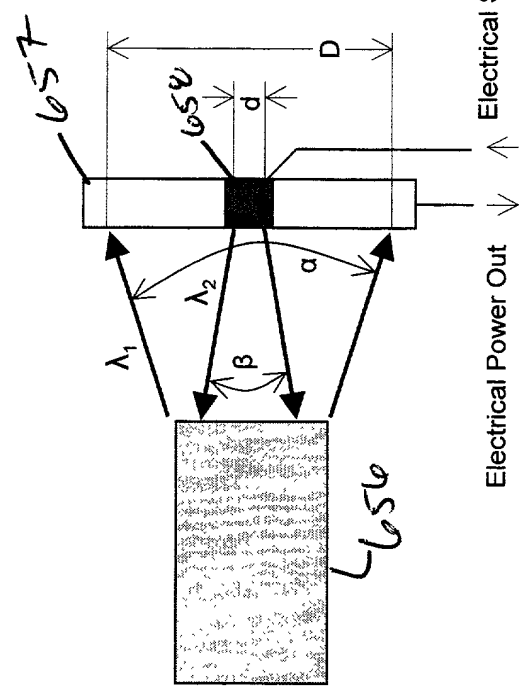
FIG. 2



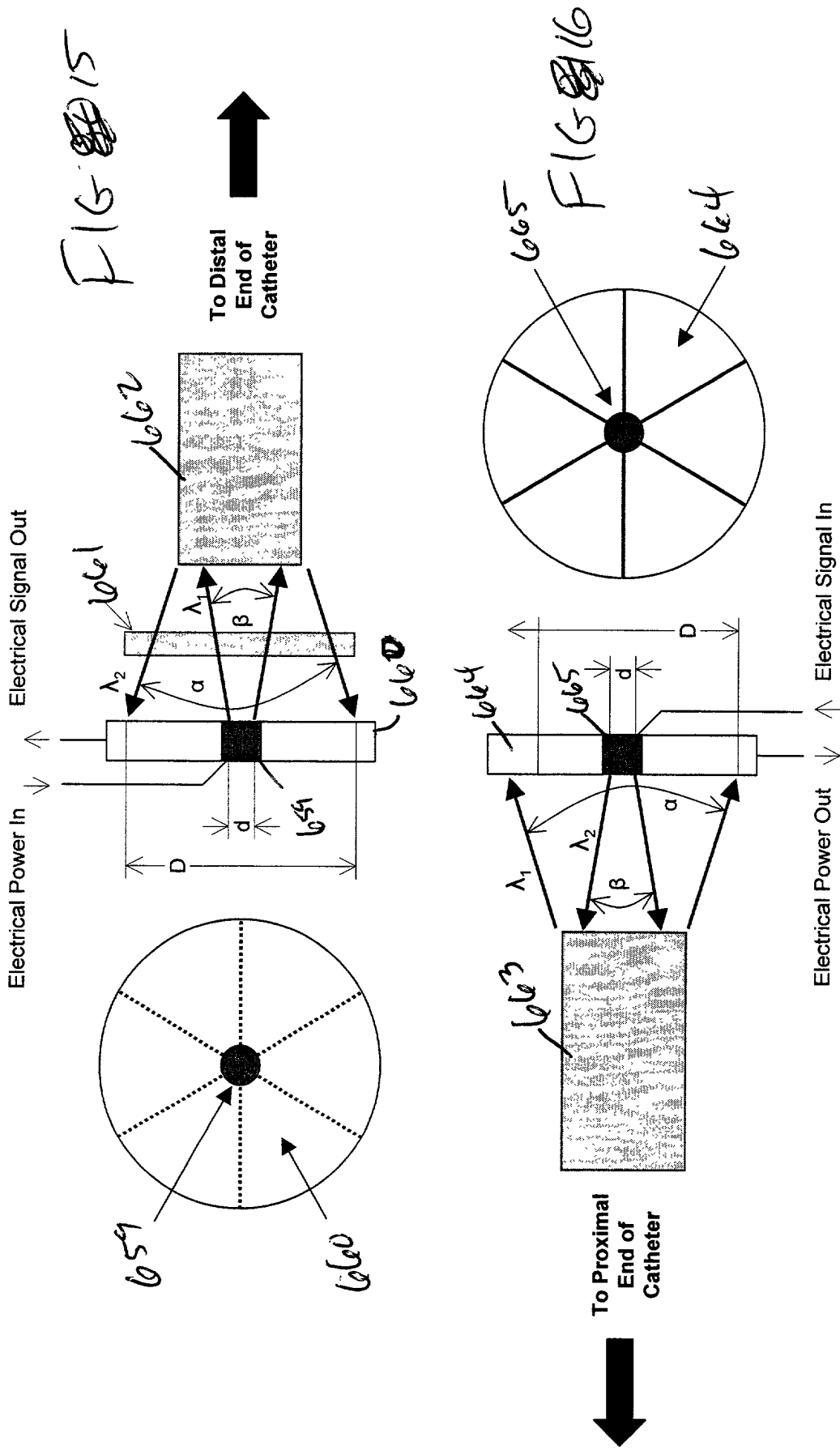
20061201 8:52ZOOT



Electrical Signal Out



To Proximal End of Catheter



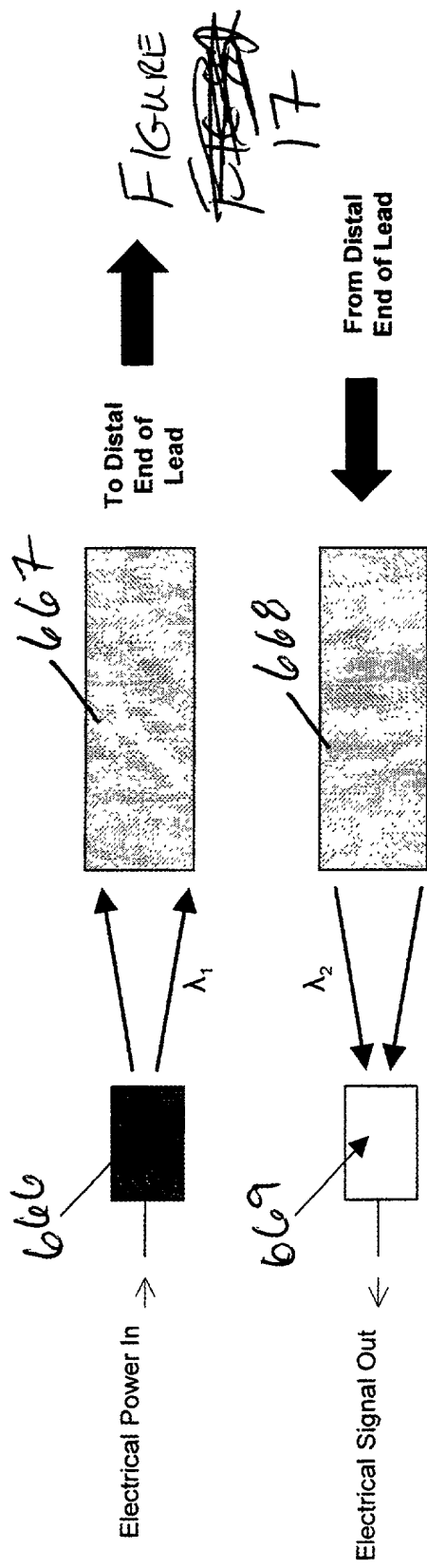


FIGURE  
~~16~~  
17

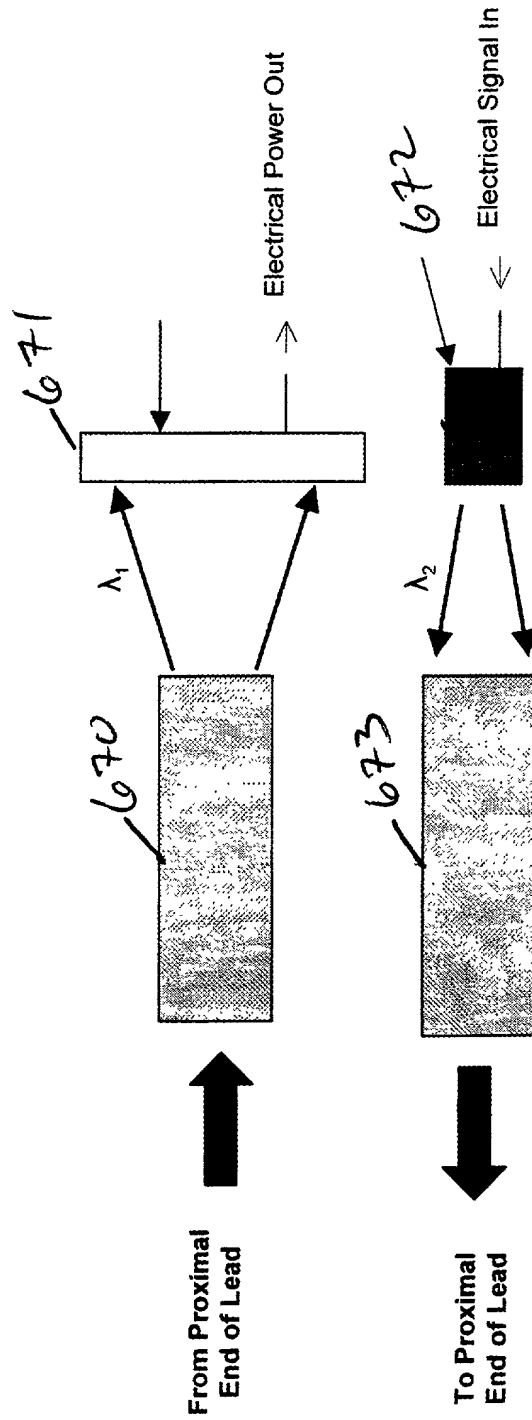
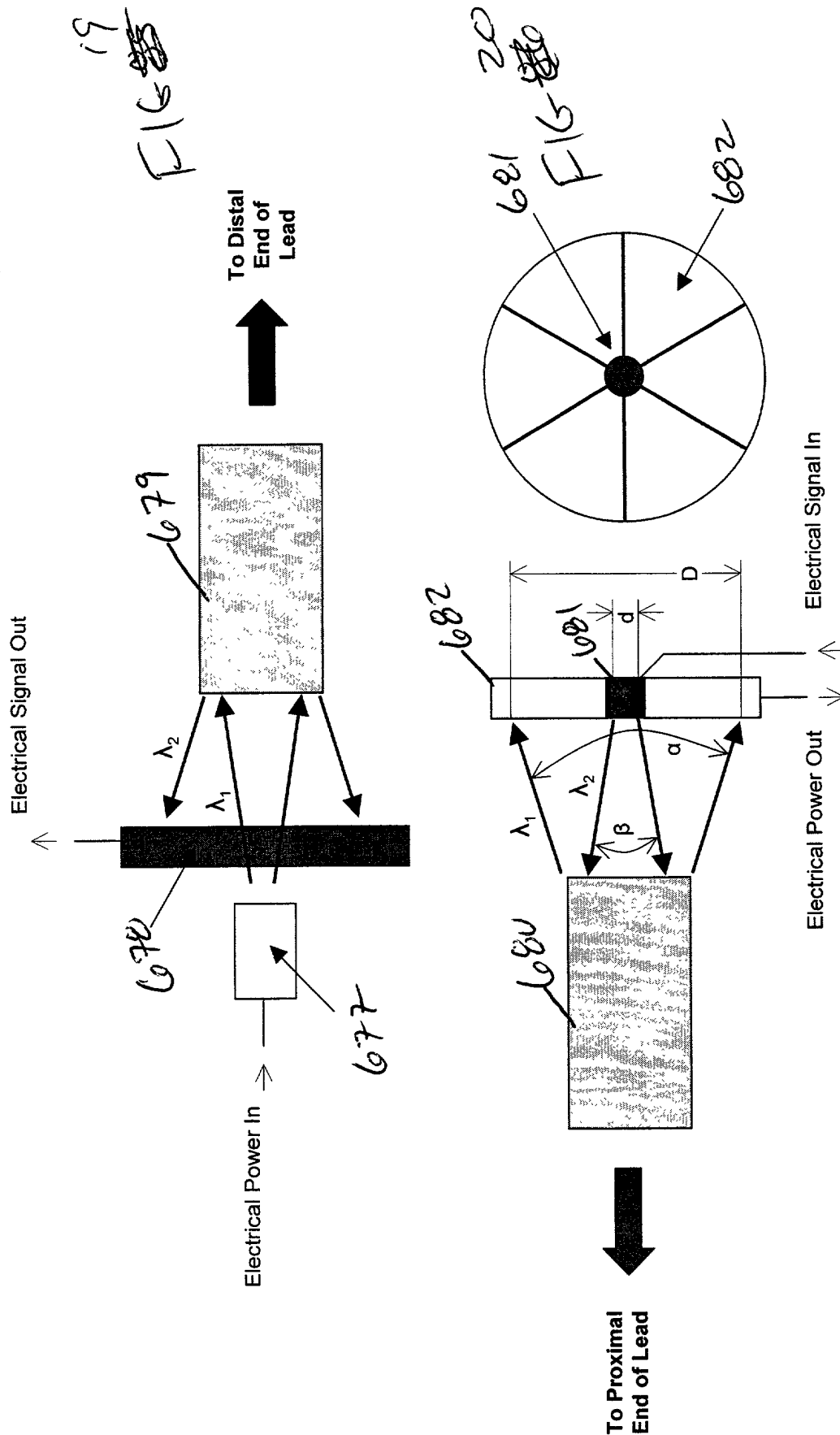


FIG  
~~18~~  
19



Fiber-optic coupling

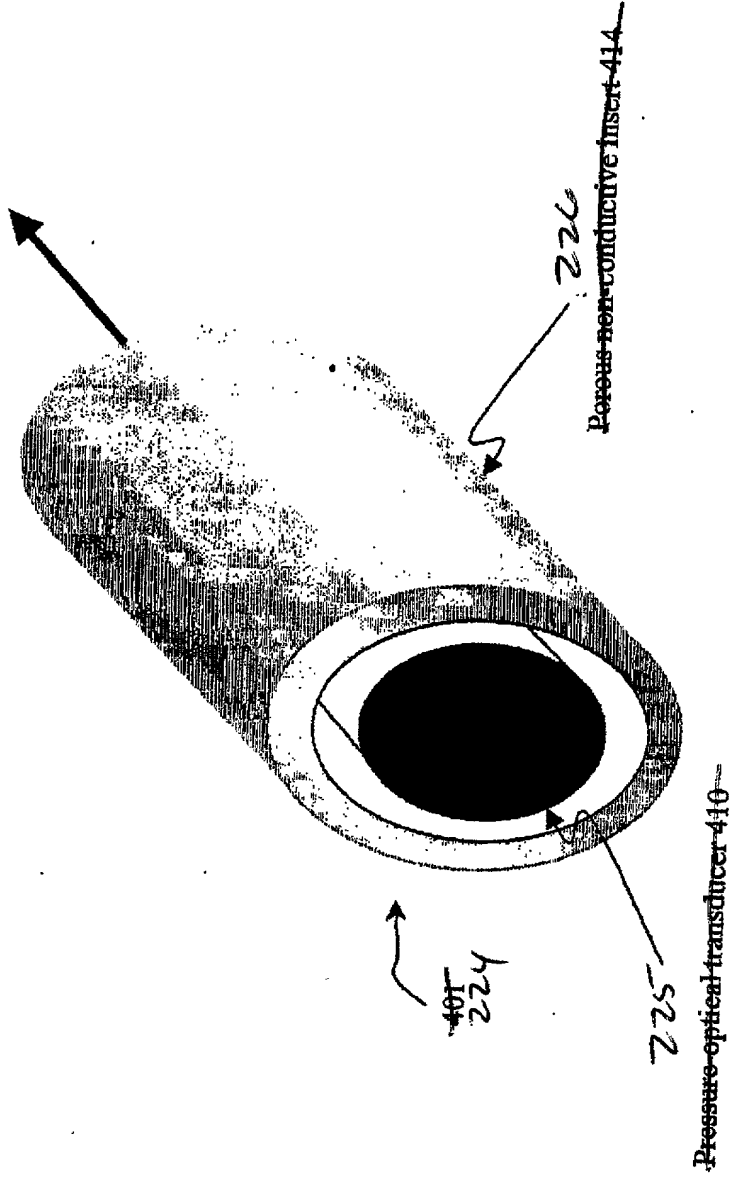


Fig. 2

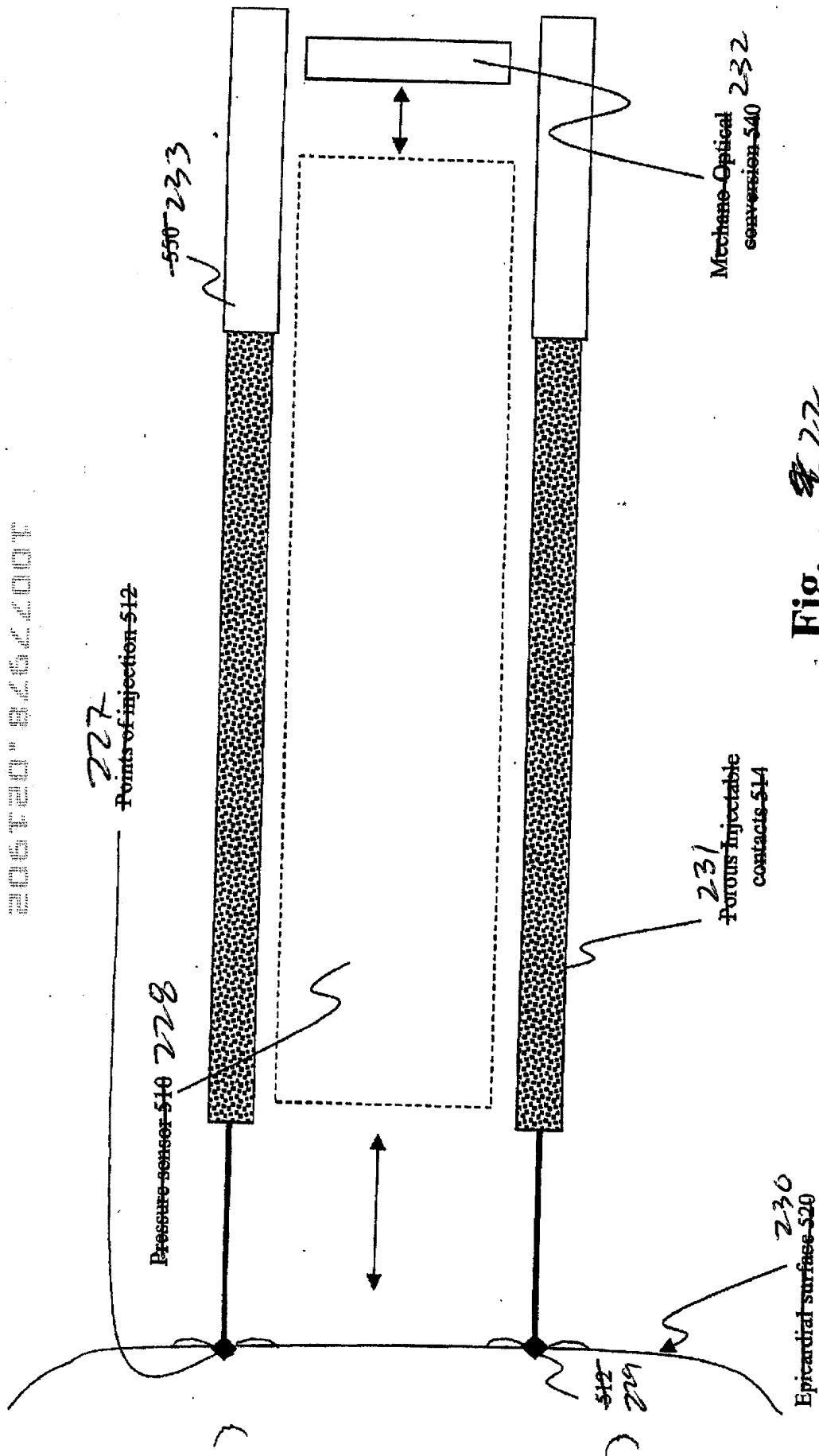


Fig. 22

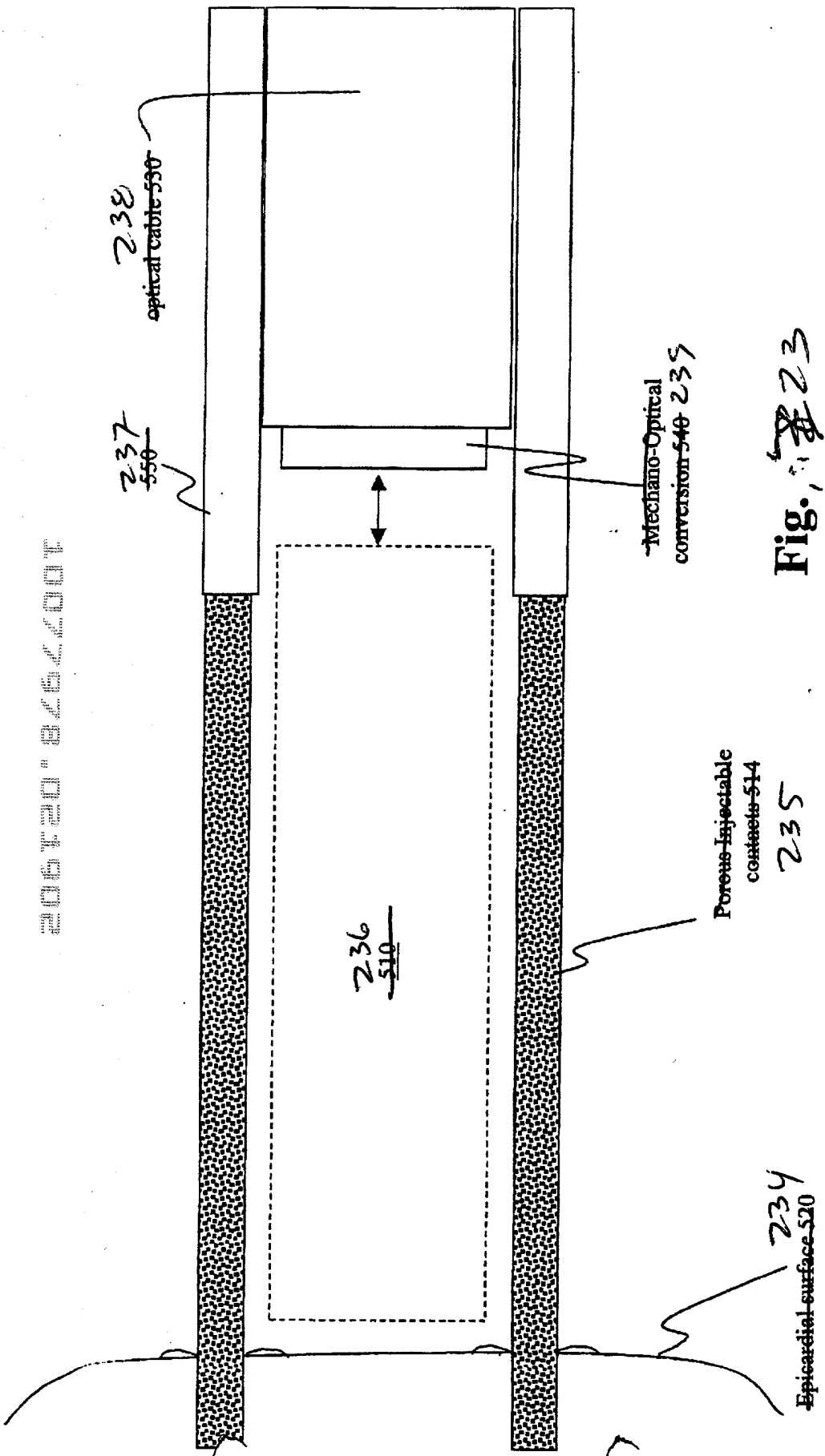


Fig. 23

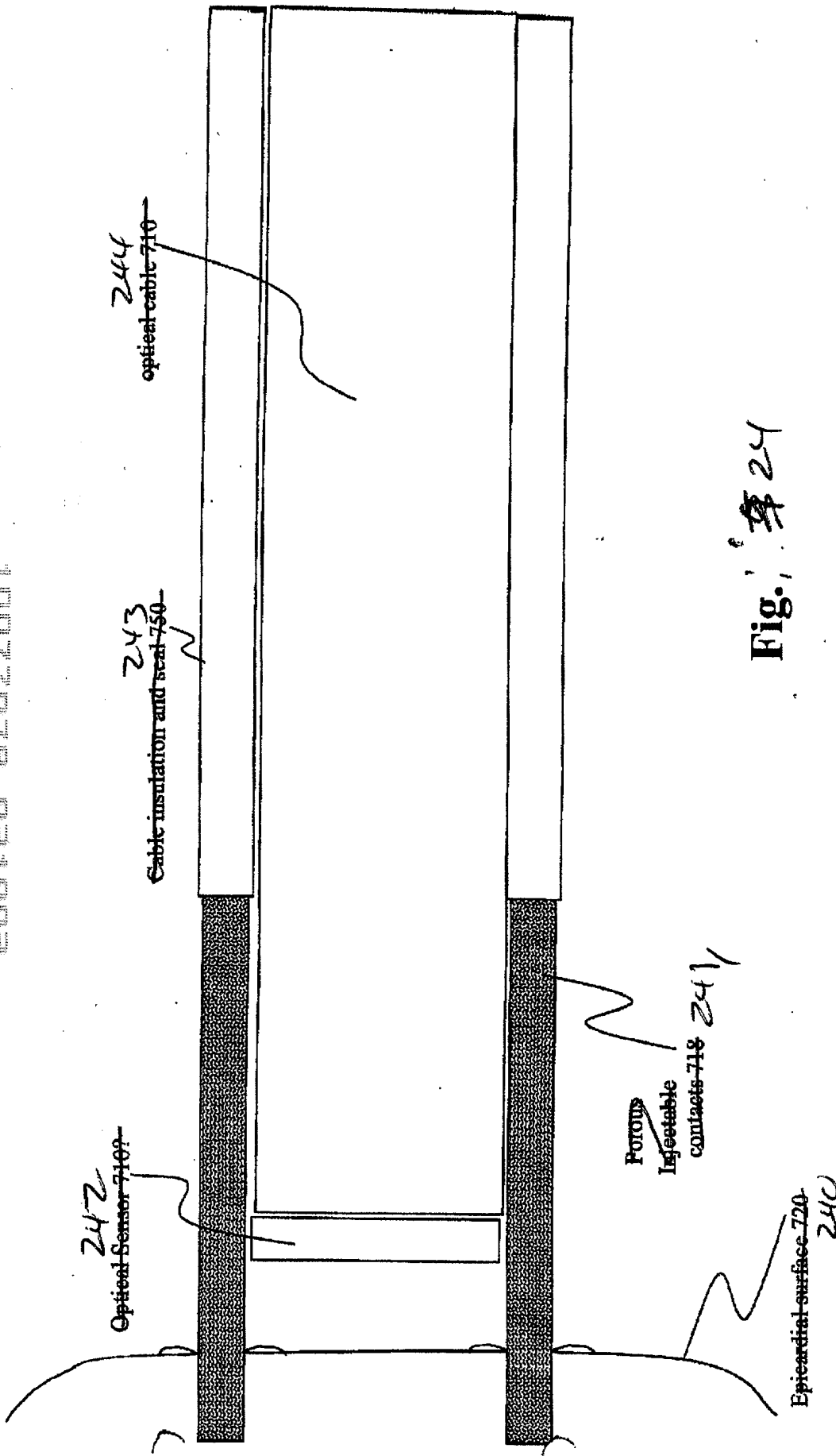


Fig. 24



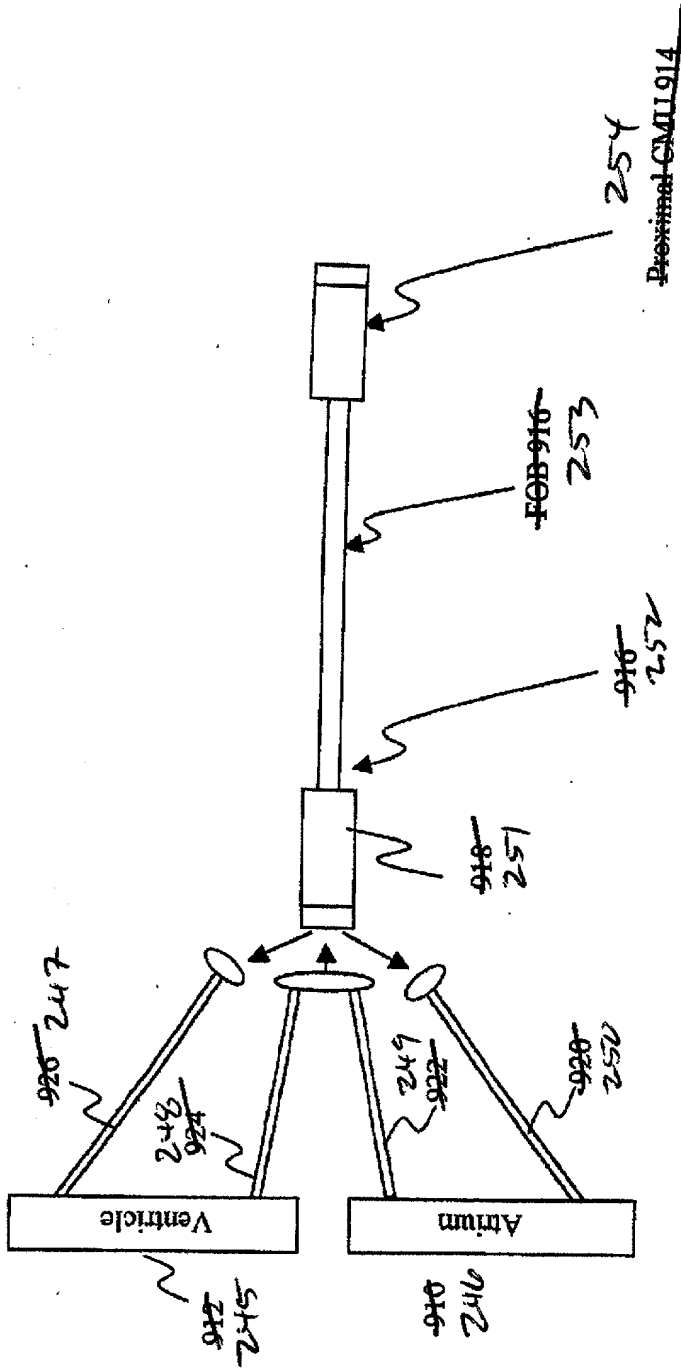


Fig. 25

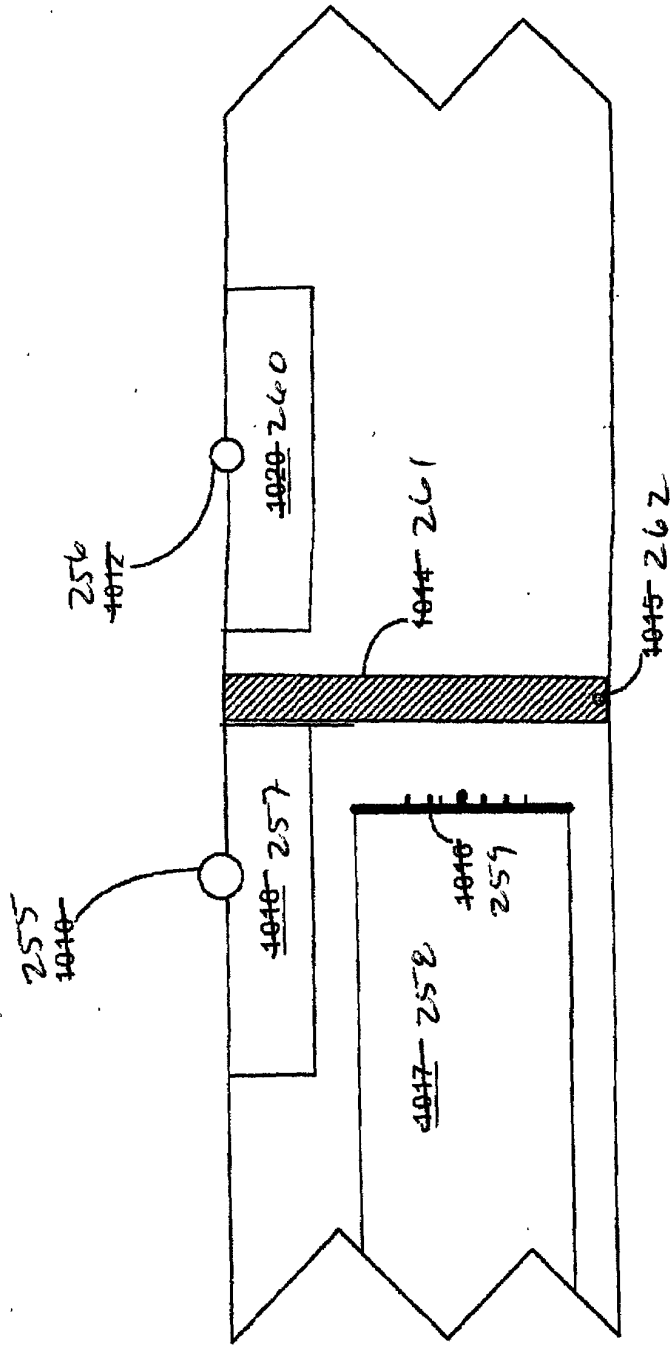
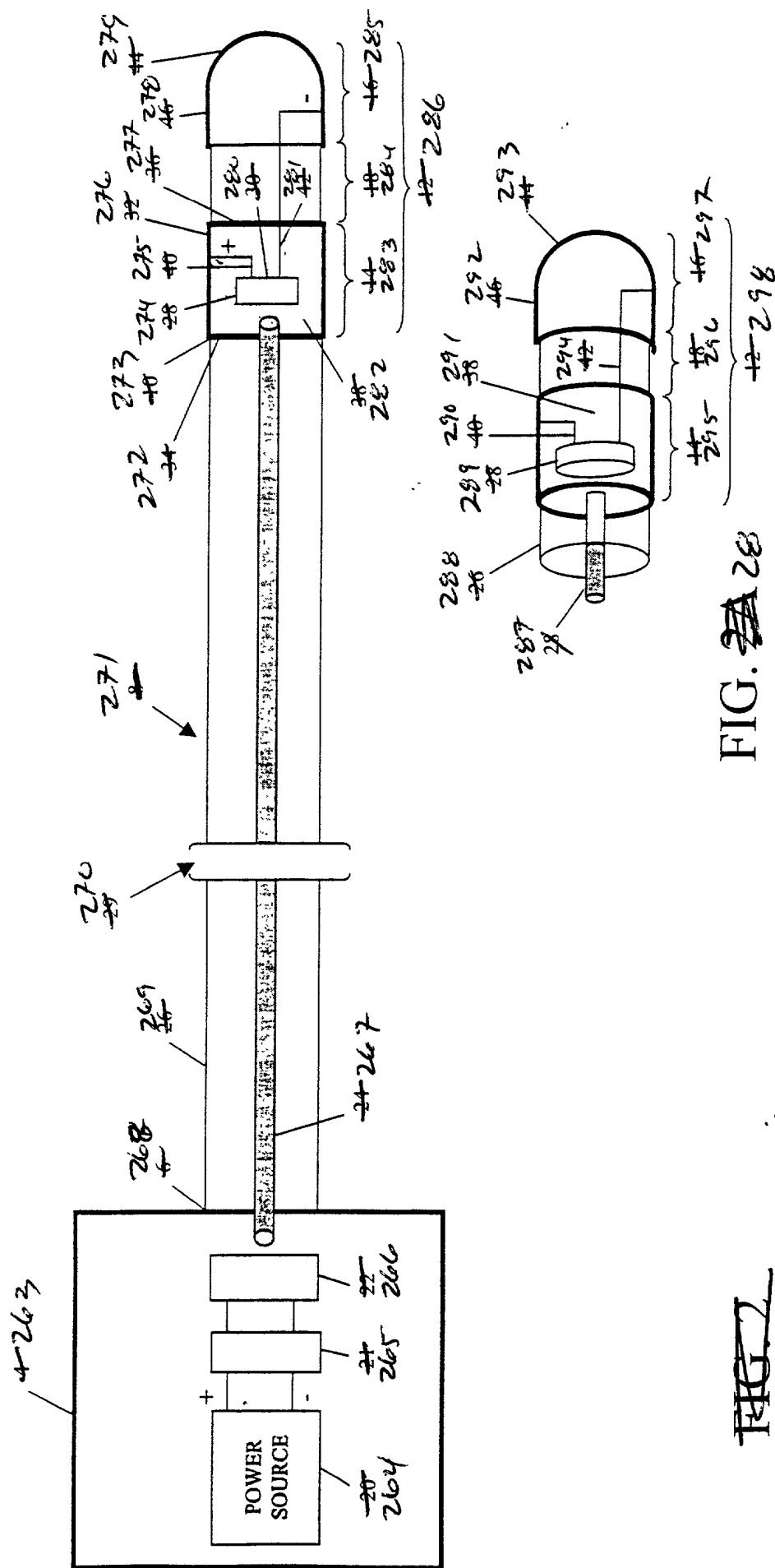


Fig. 26

FIG. ~~27~~ 28

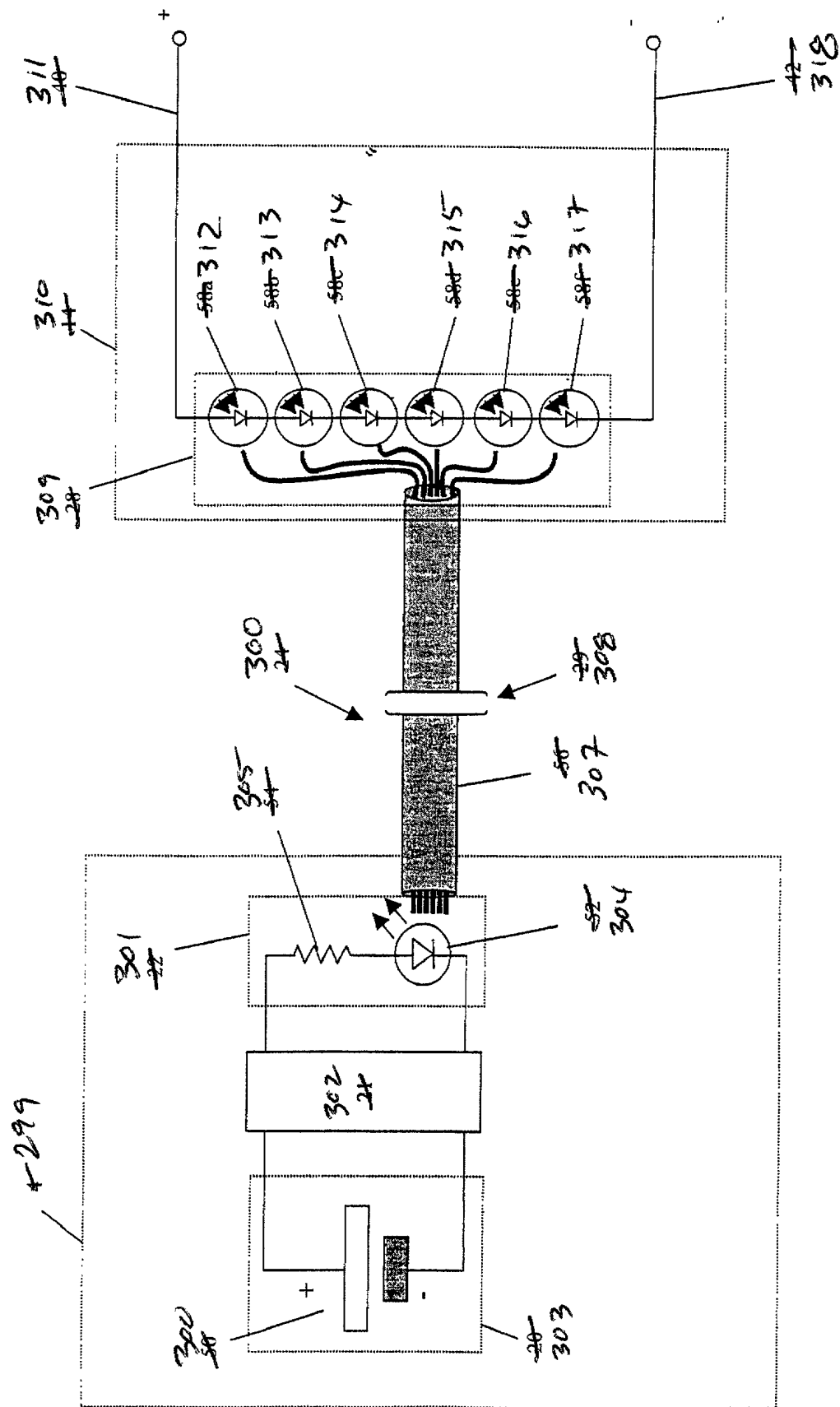


FIG. 29

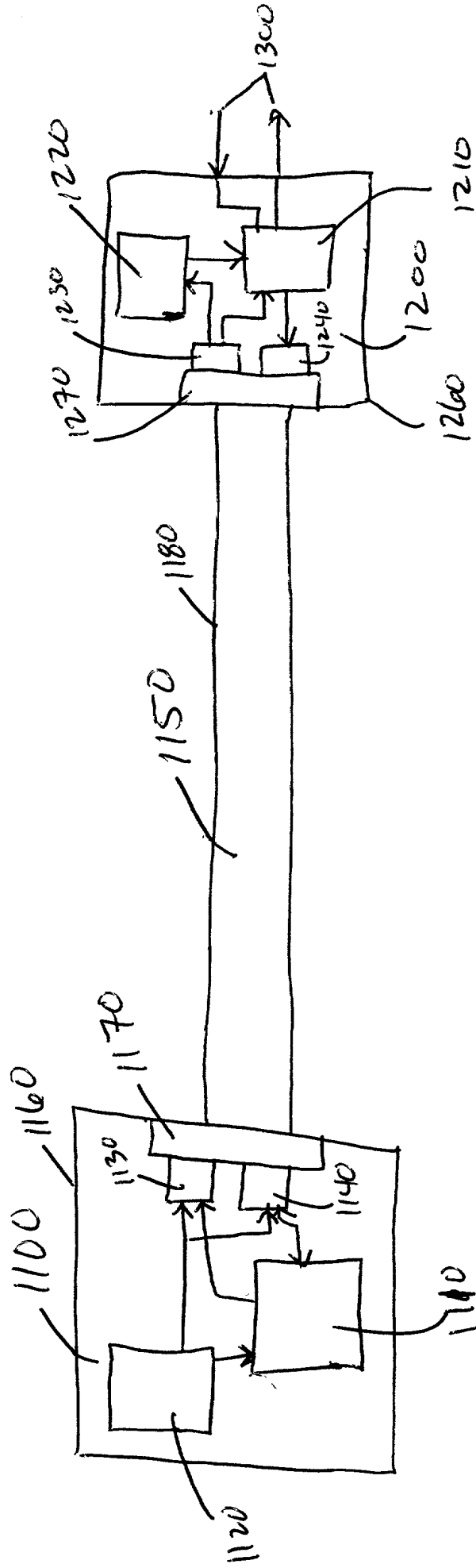


FIGURE 30

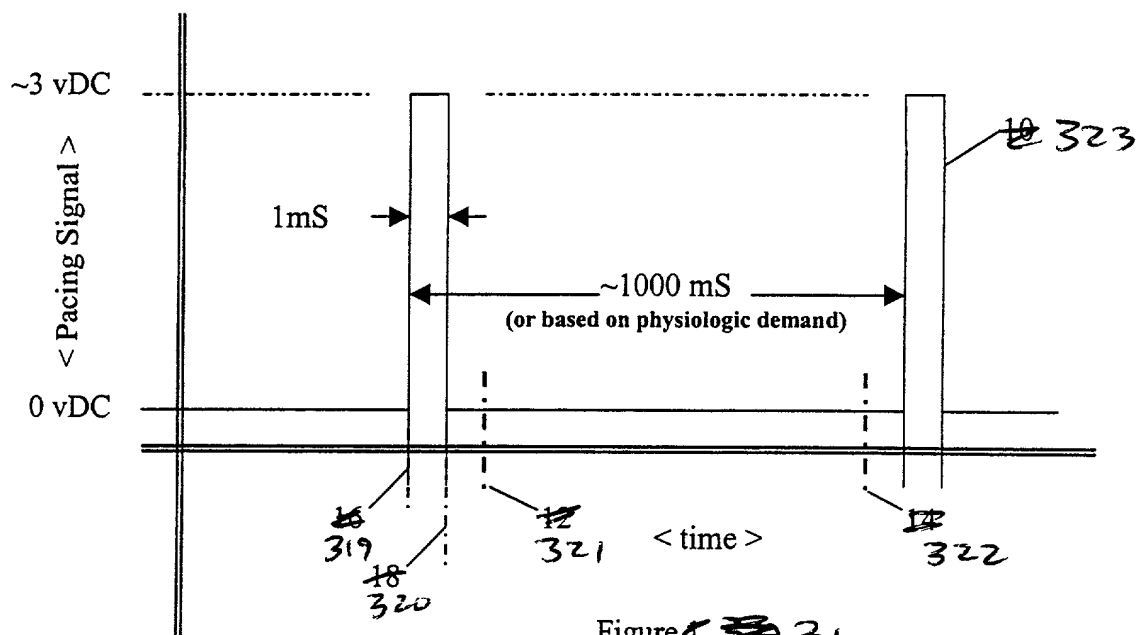


Figure 31

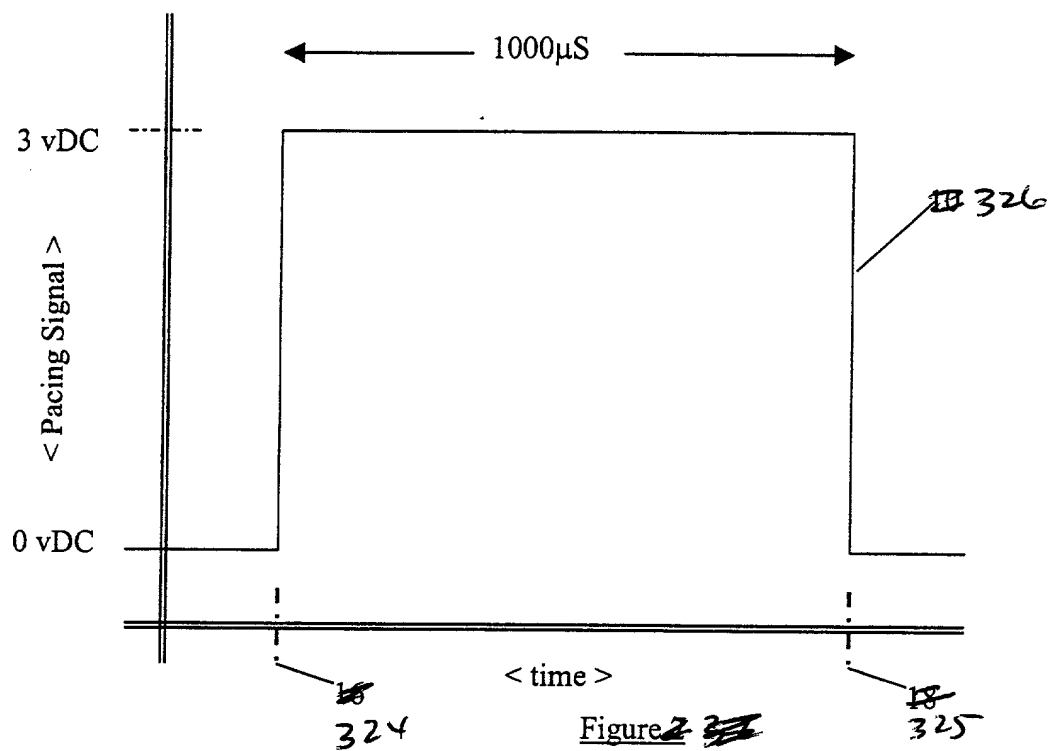


Figure 32

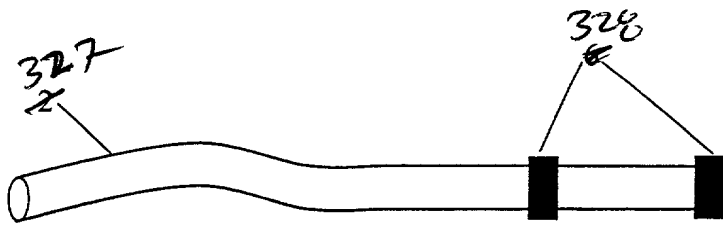


Figure ~~33~~ ~~33~~ 33

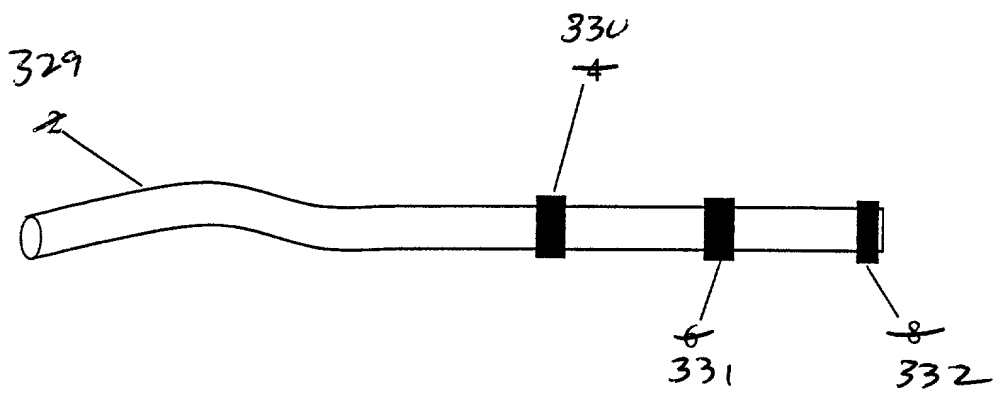


Figure ~~34~~ ~~34~~ 34

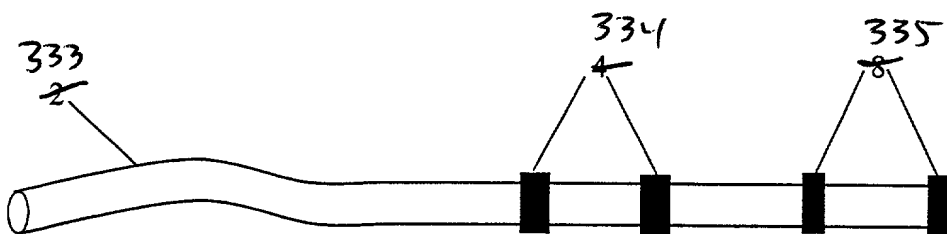


Figure ~~35~~ ~~35~~ 35

~~FIG 36~~

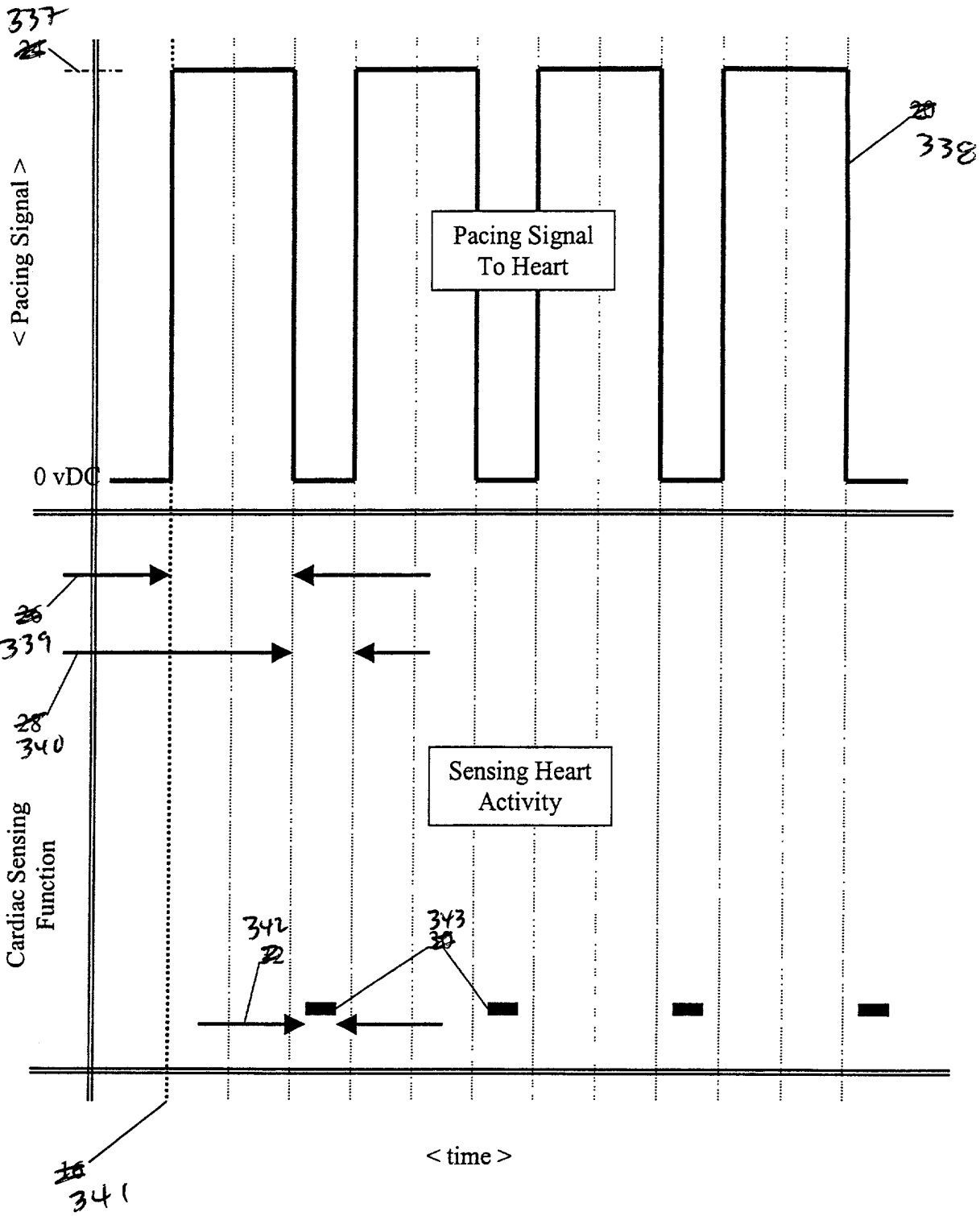


Figure ~~36~~ 36



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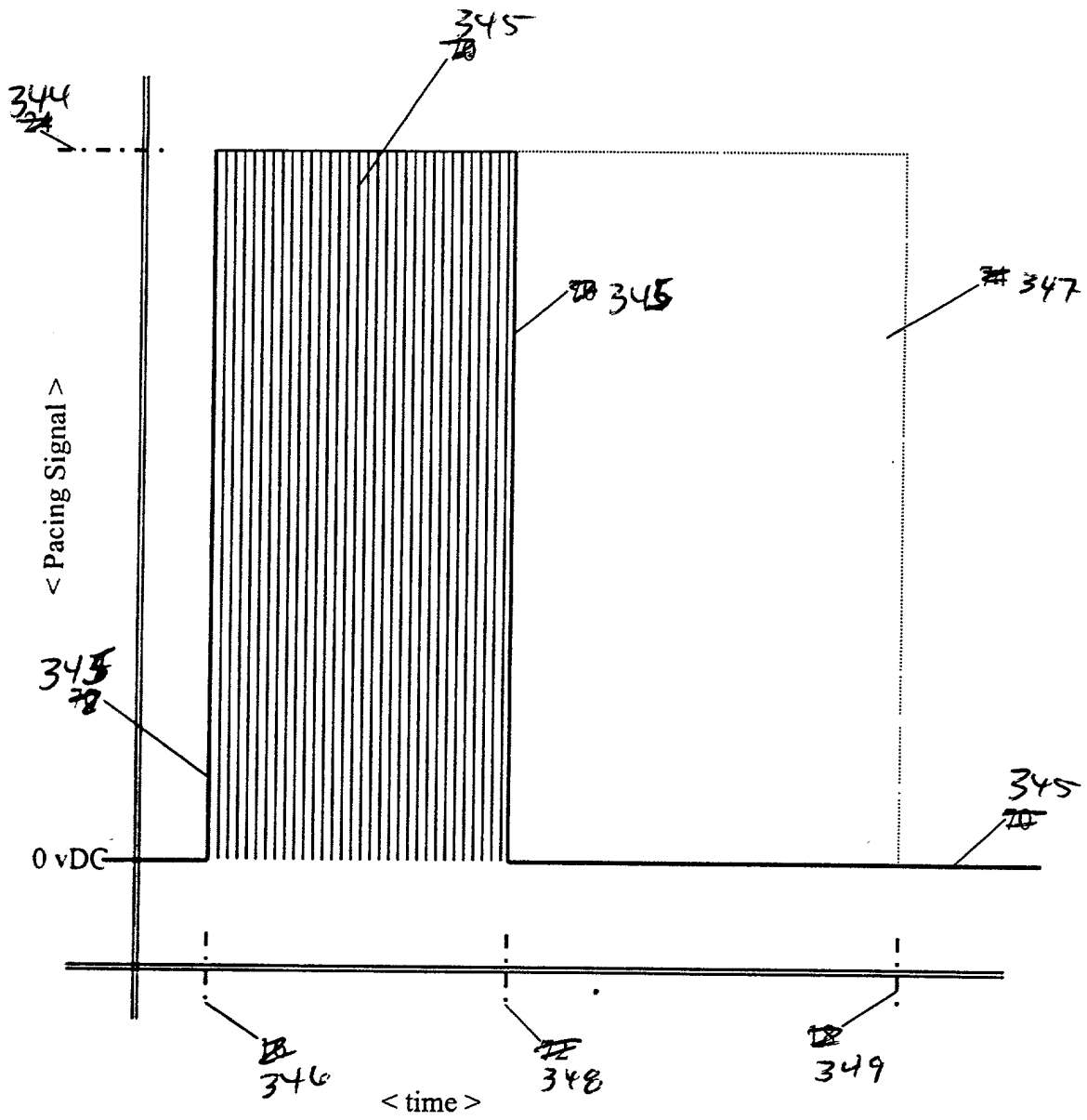


Figure 37

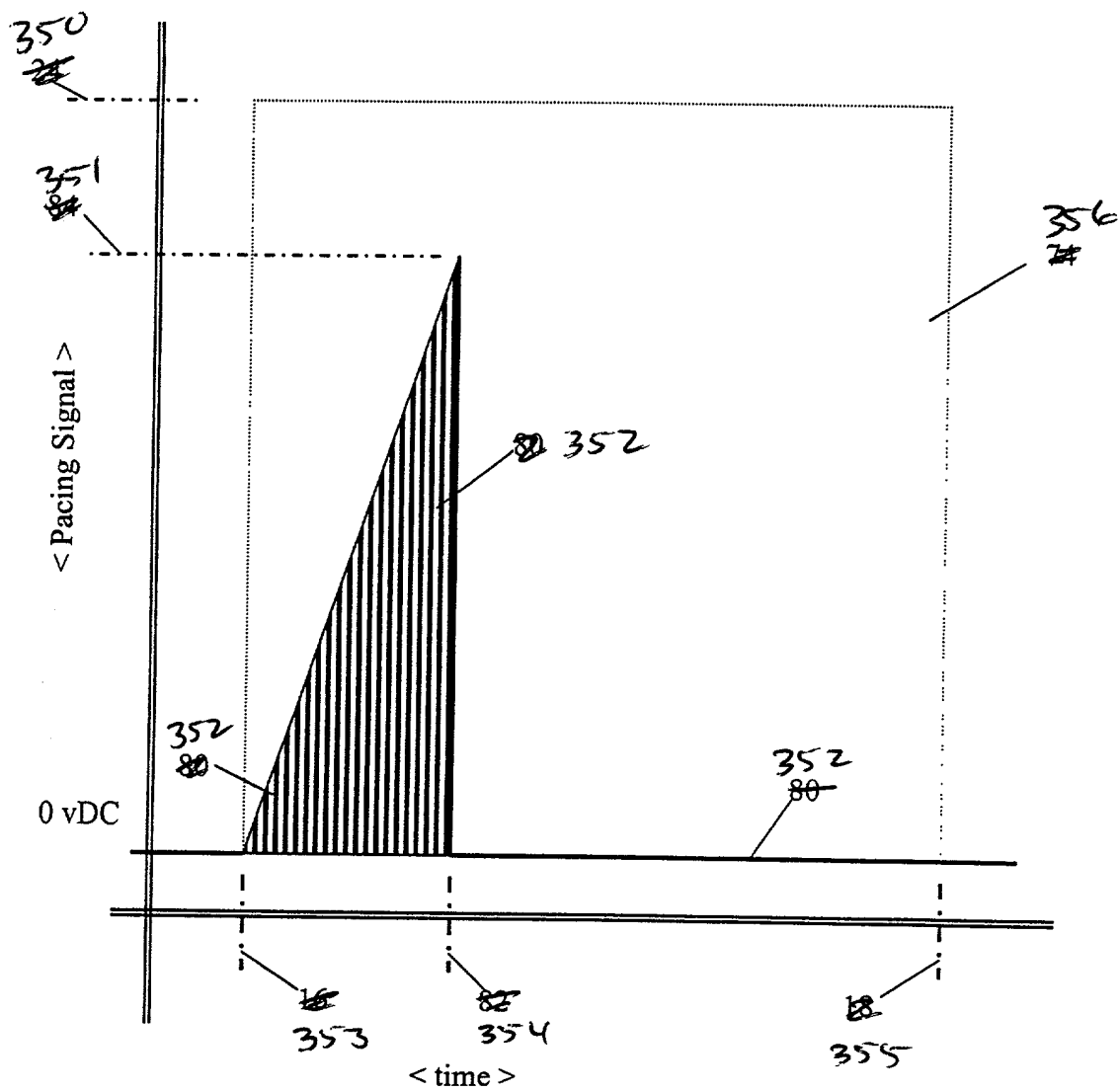


Figure 38

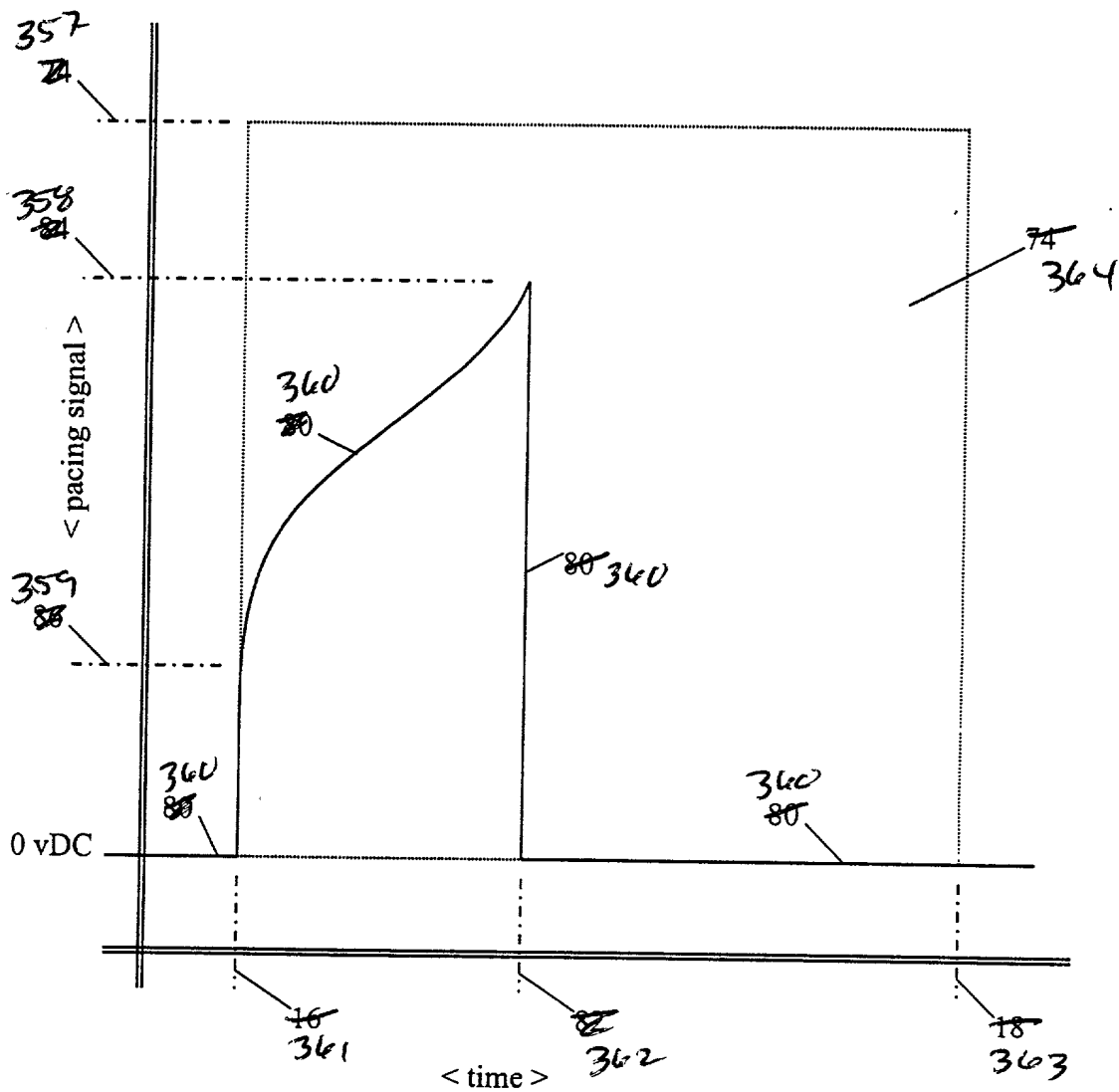
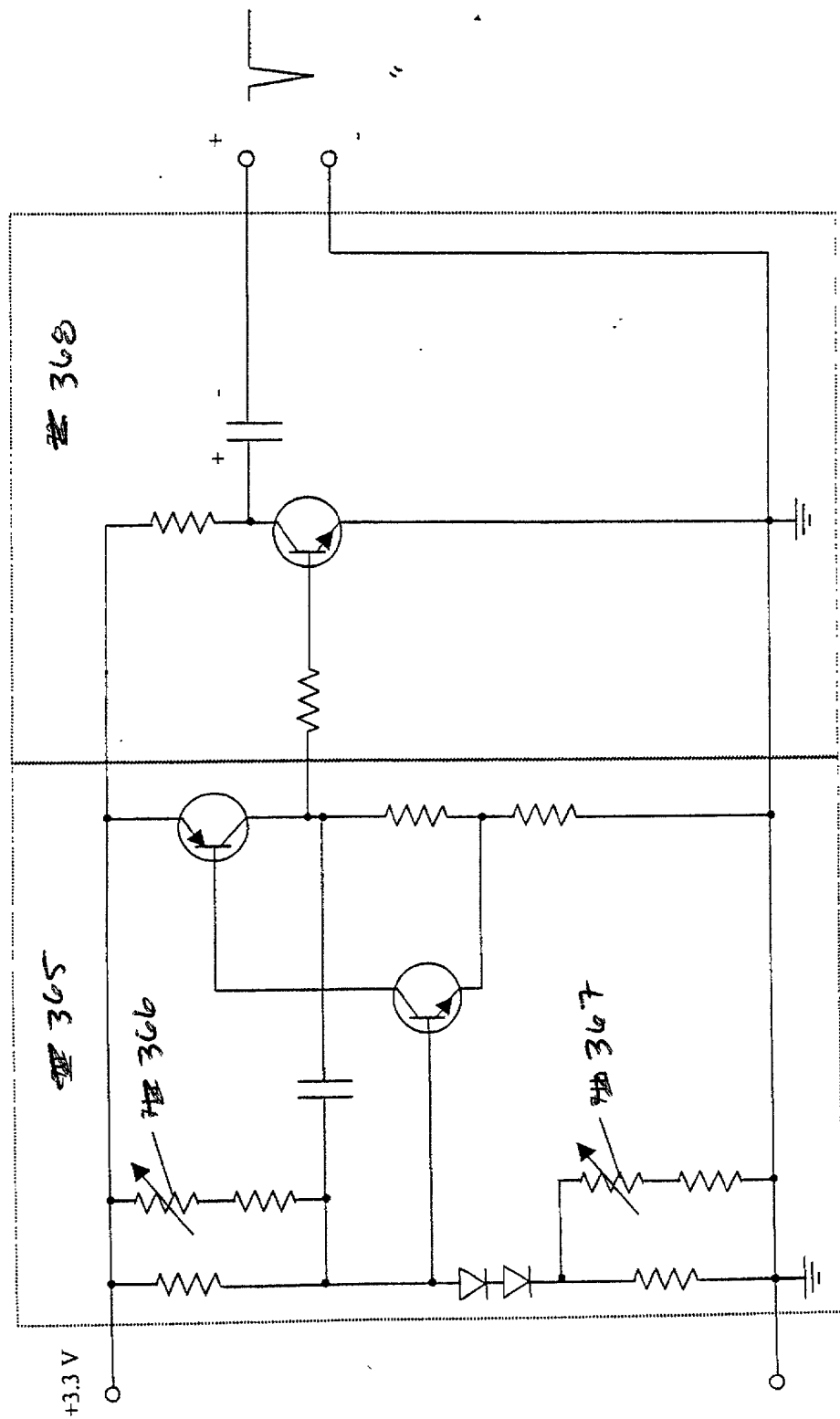
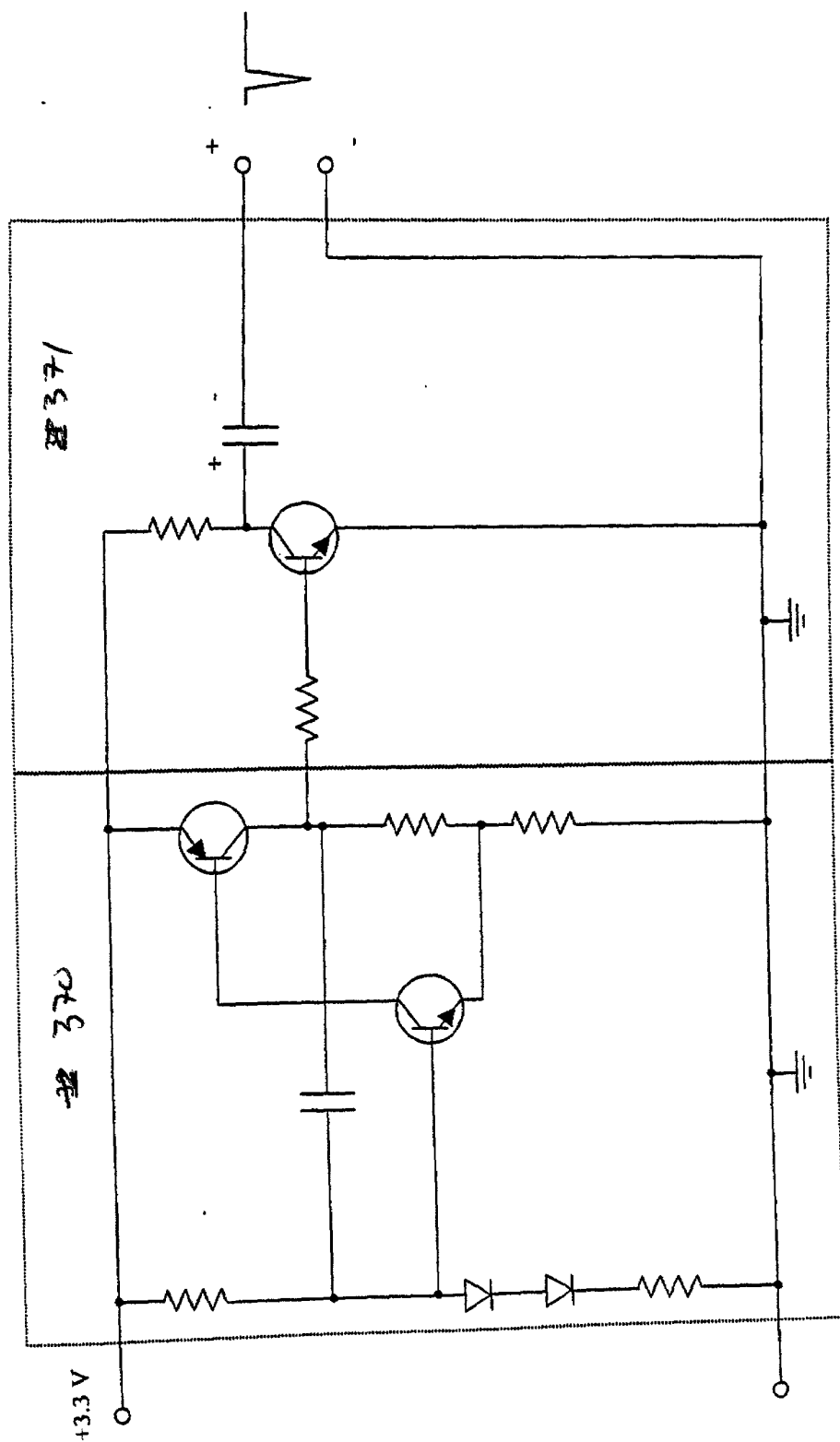


Figure 39



369

FIG. 40



372

FIG. 841

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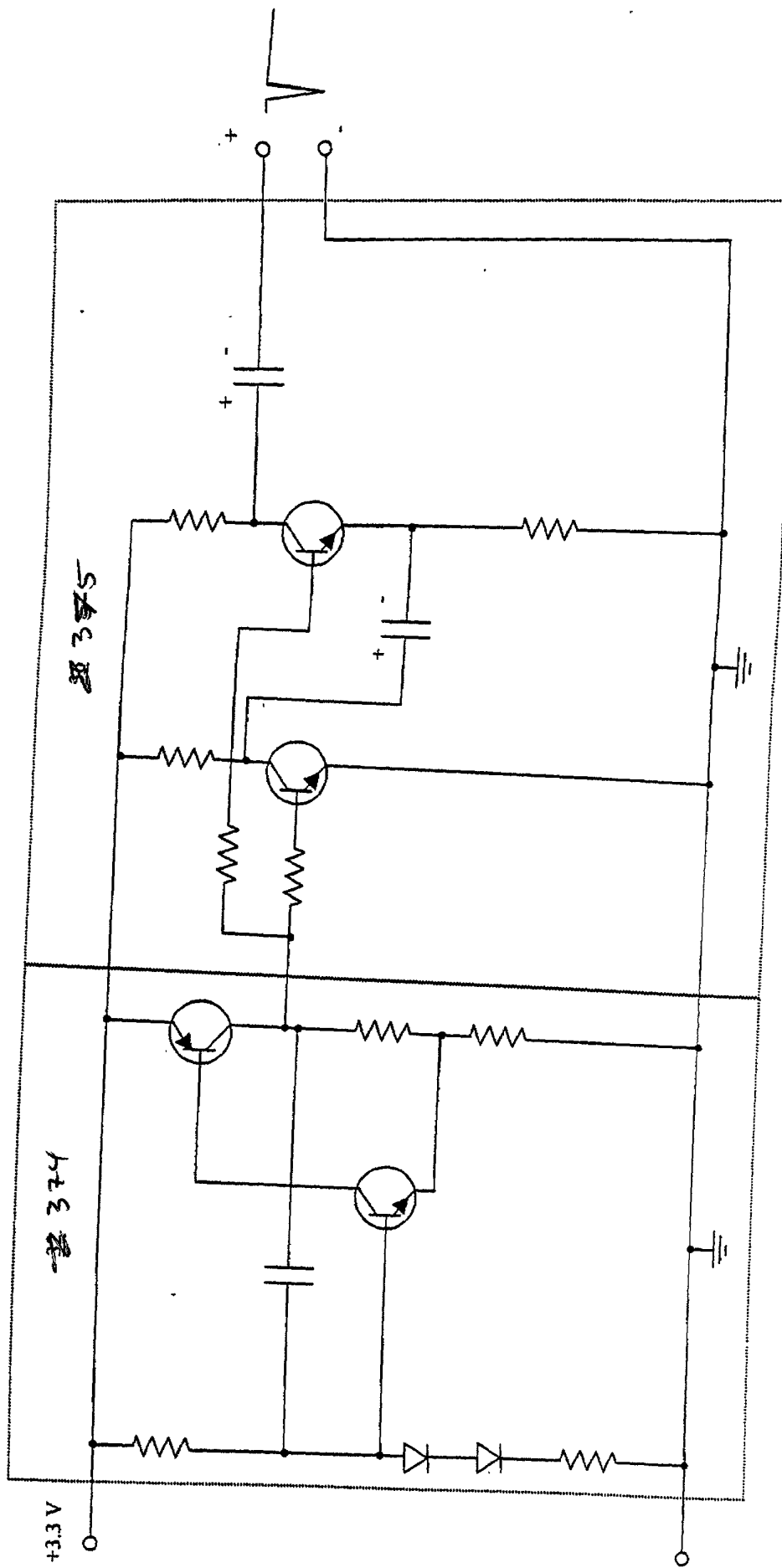


FIG. 442

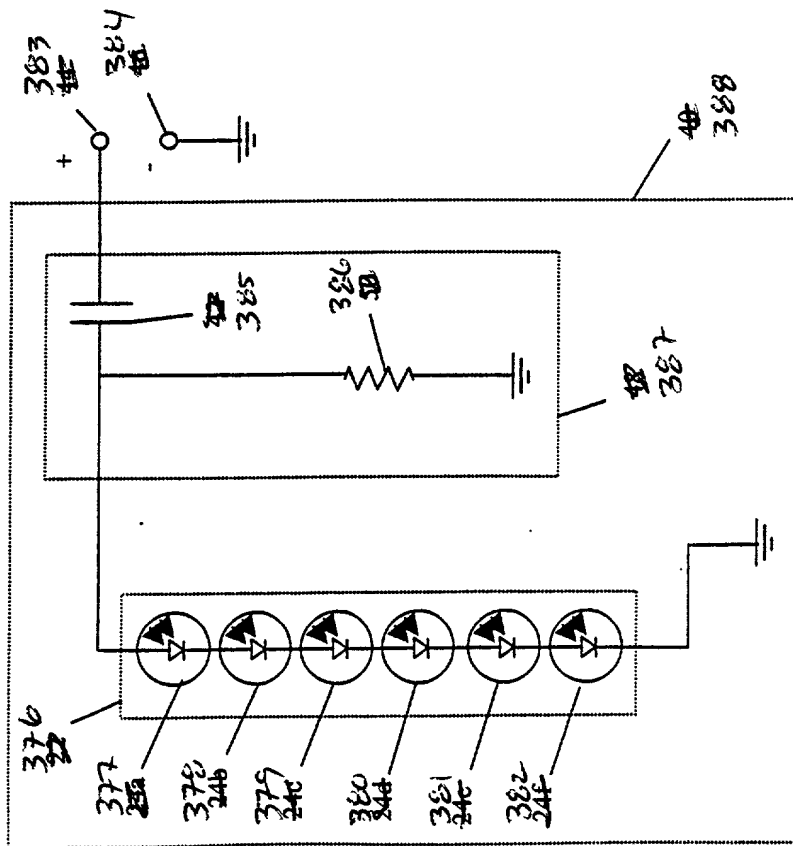


FIG. 843

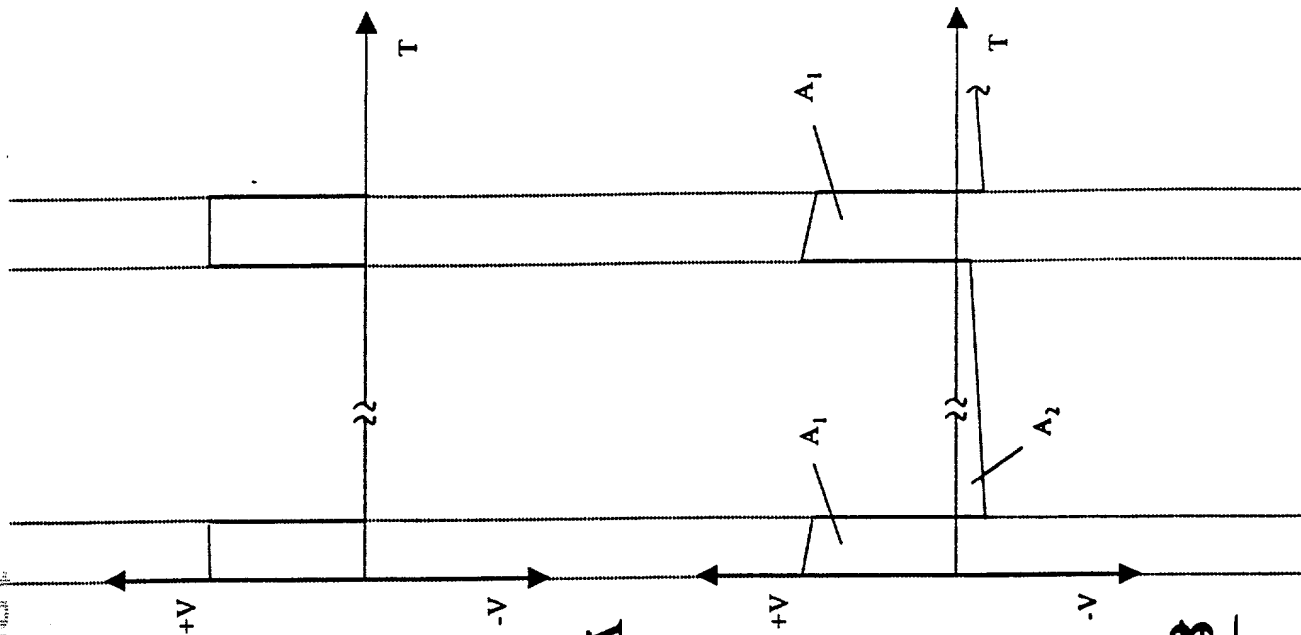


FIG. 6A

FIG. 6B

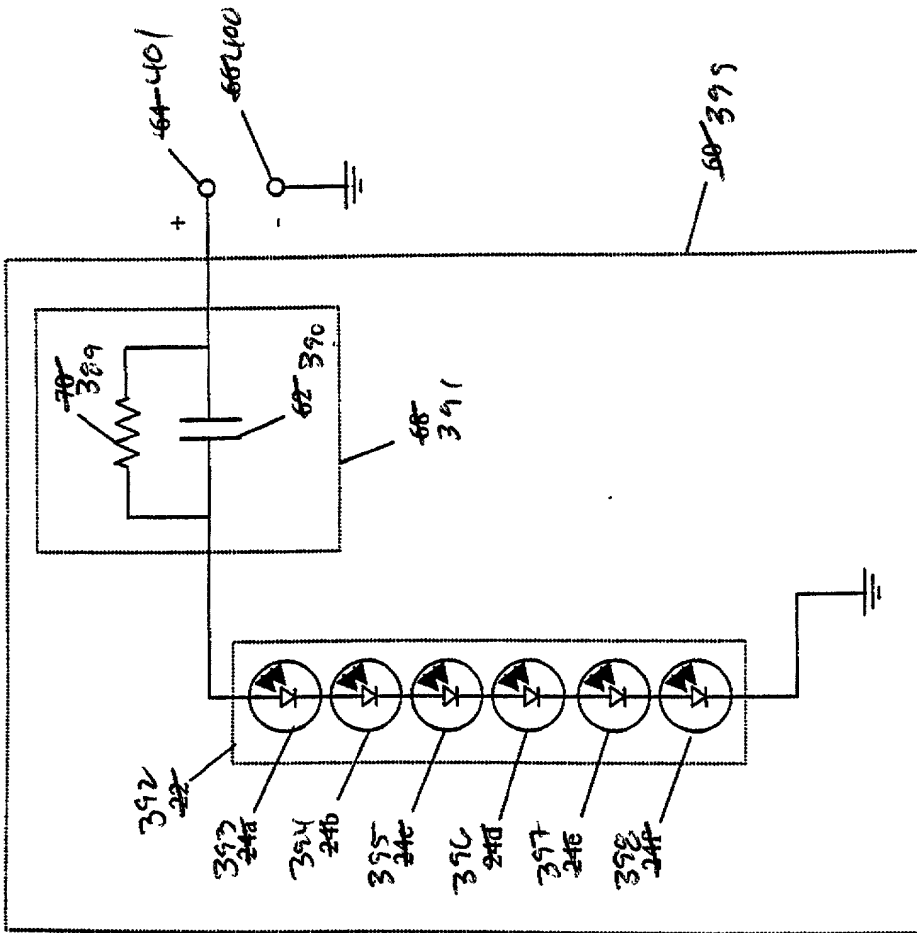


FIG. 340





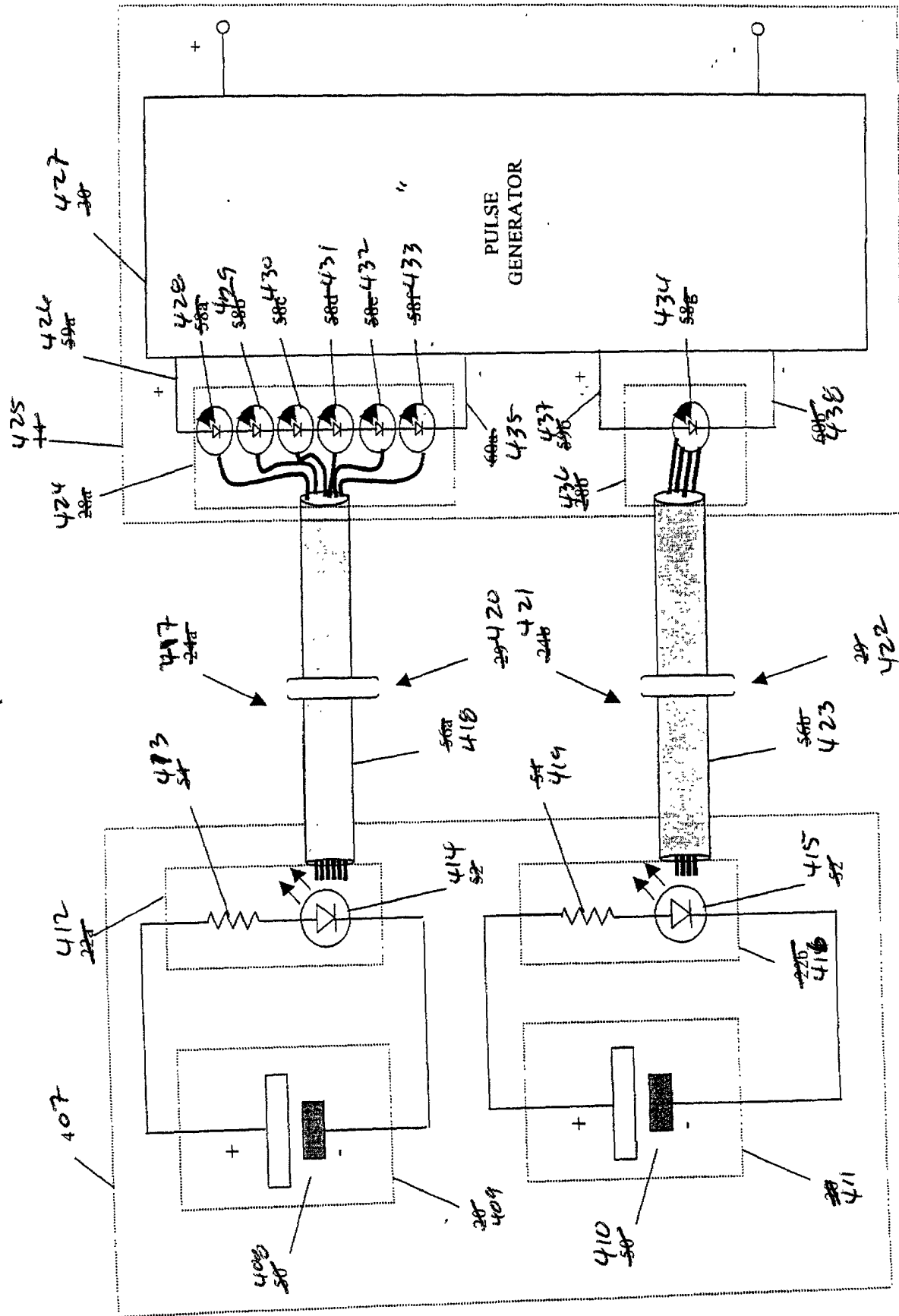


FIG. 348

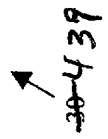


FIG. 449

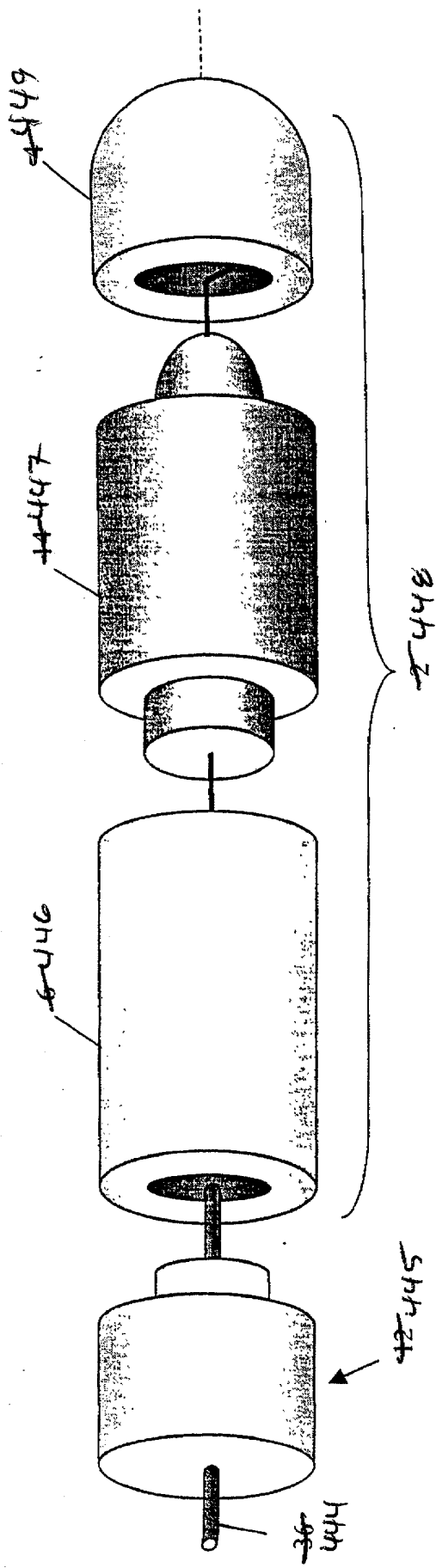


FIG. 450

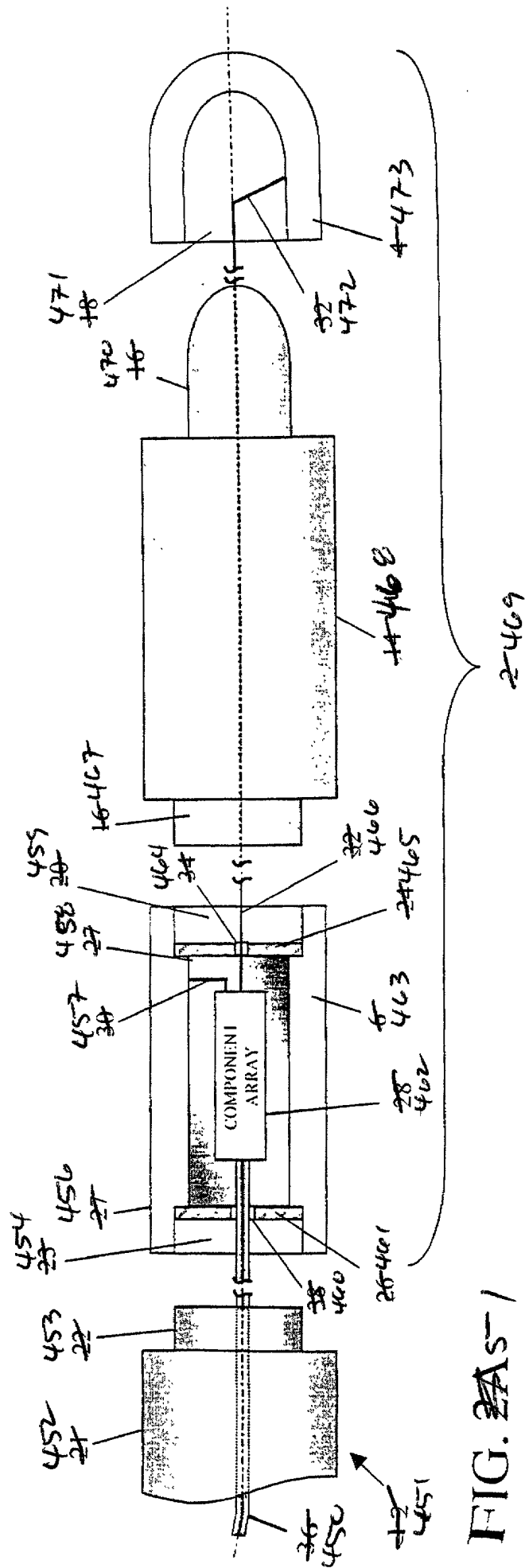
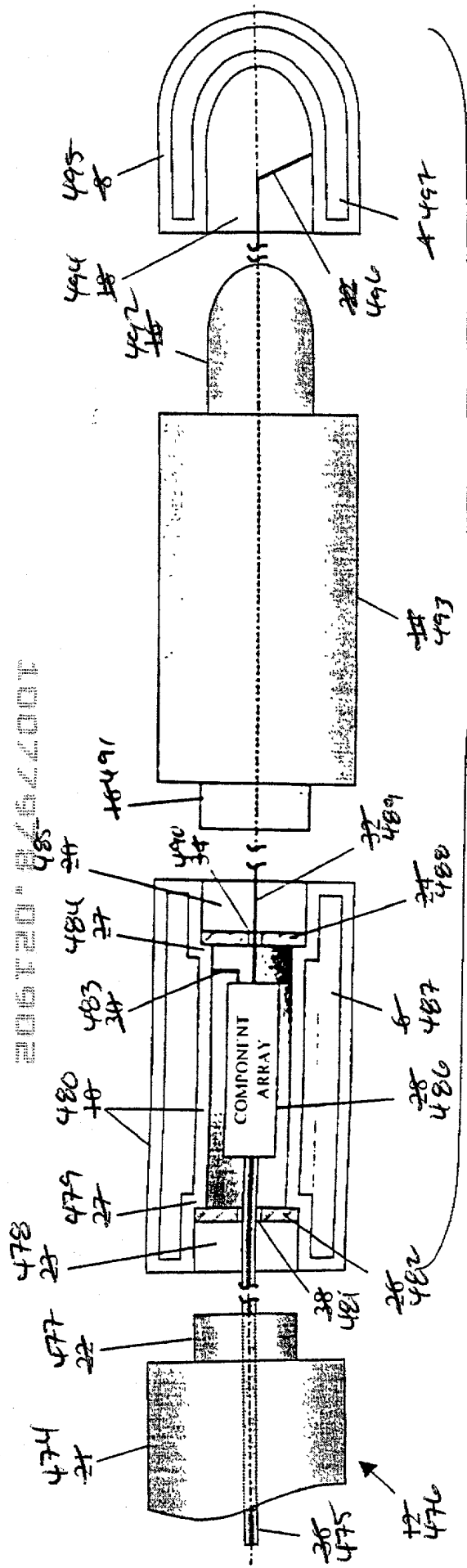
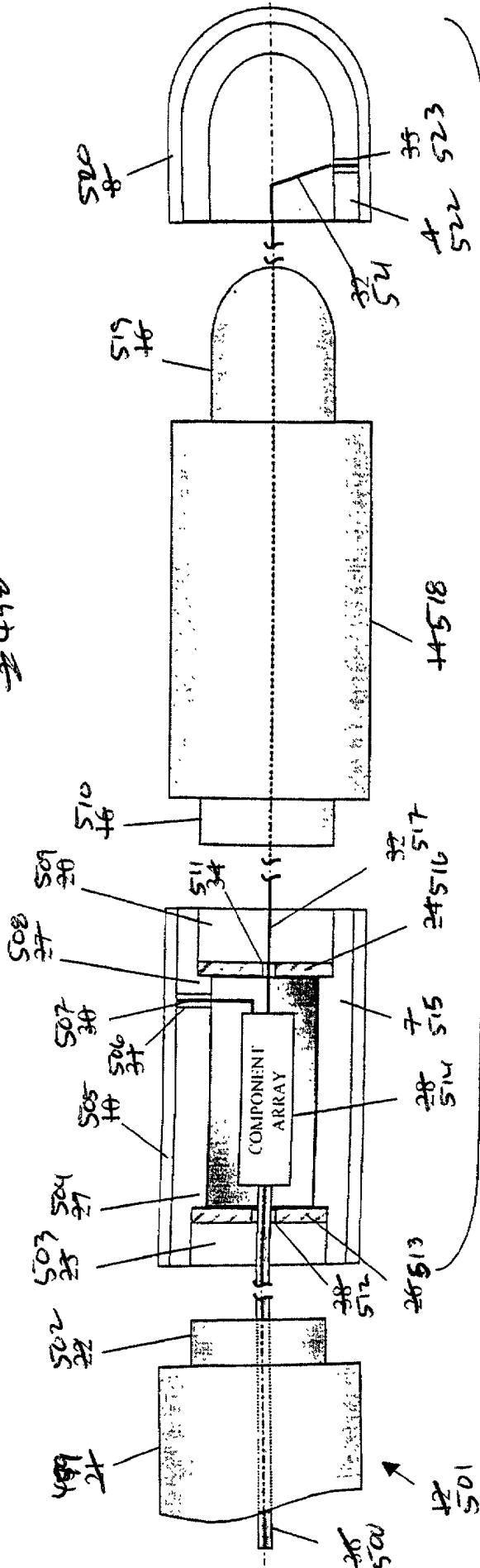


FIG. 451



2498



2524

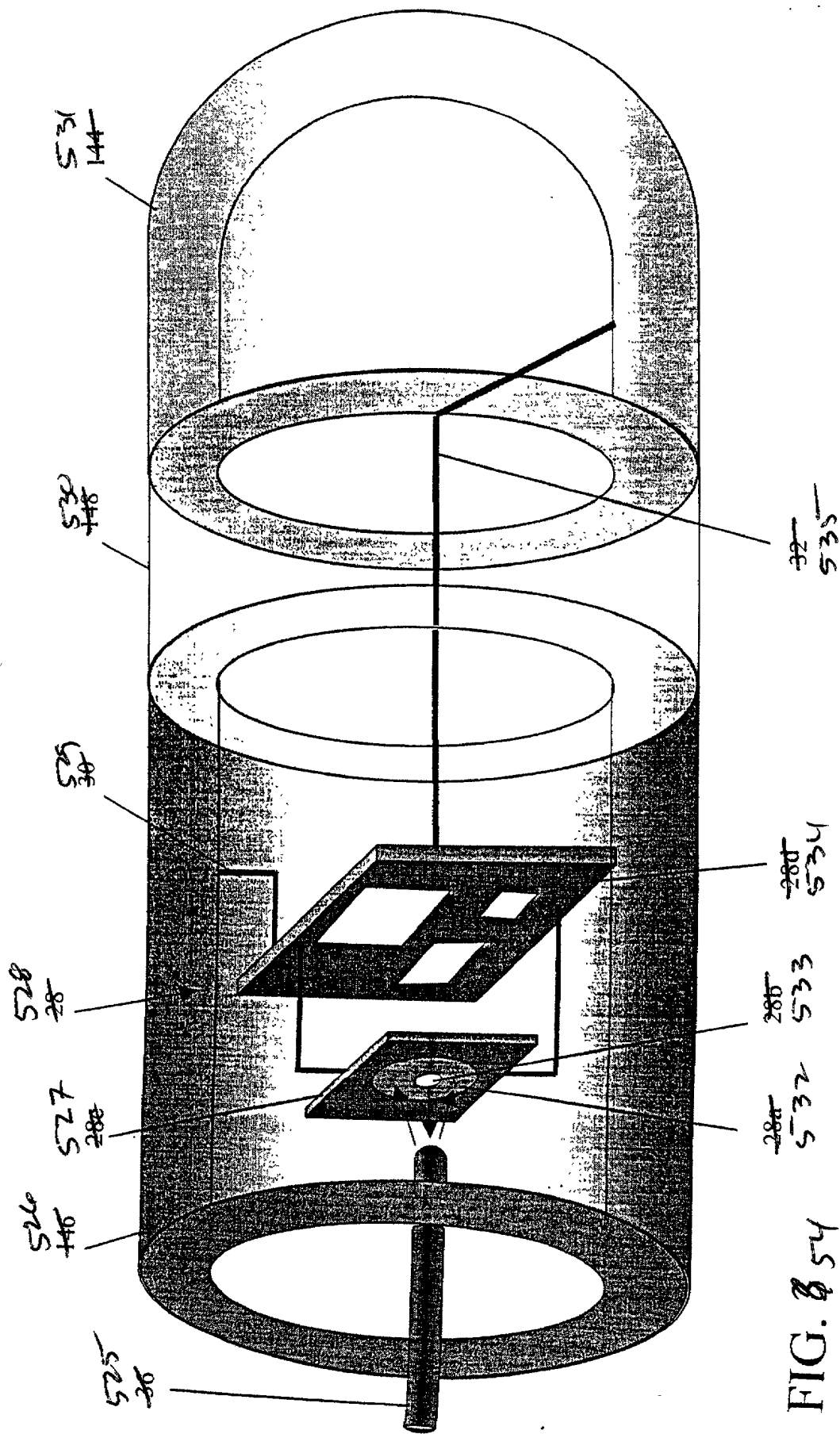


FIG. 8 54

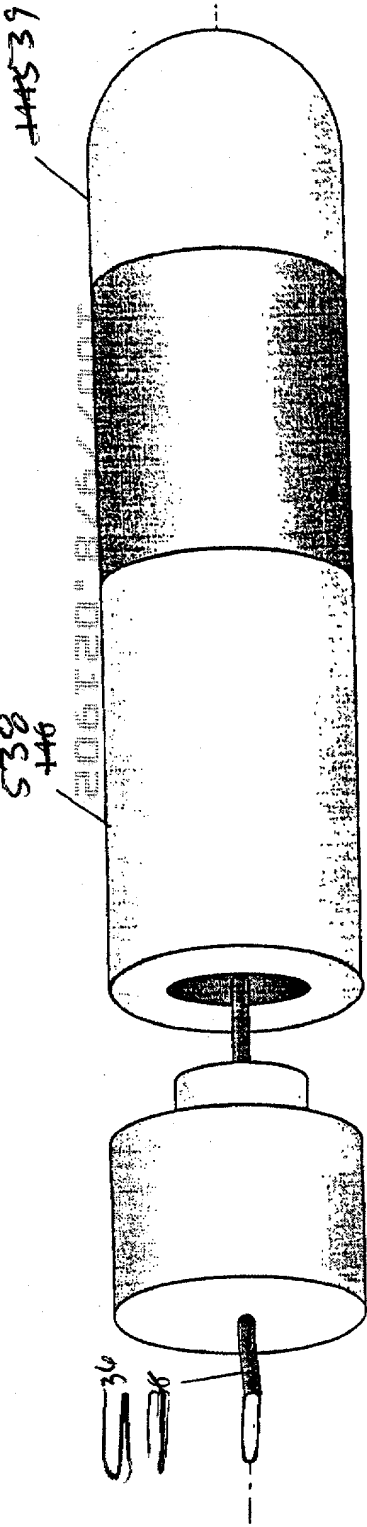


FIG. 455

12537 142540 142542 21541 22542

150552 548 30

142547

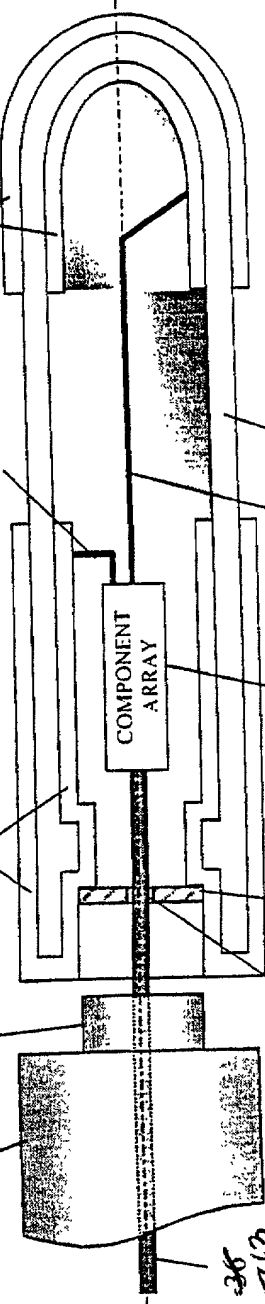


FIG. 553

142553

32 550 148 551

38 545 26 546

12544 543

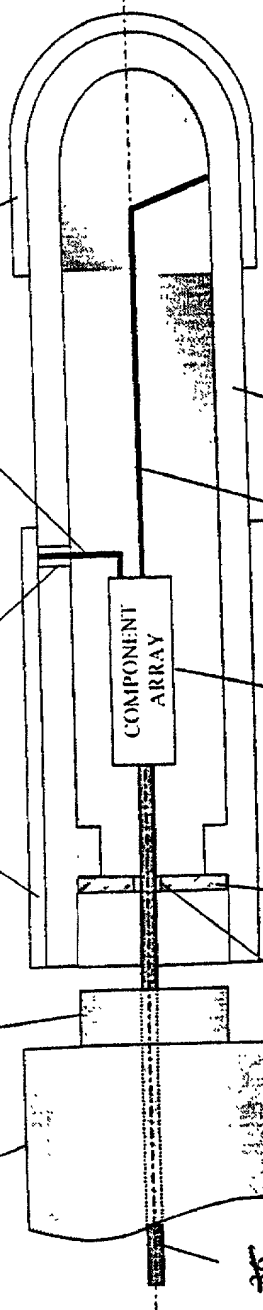
150566

562 30

557 152

555 27

554 27



57

FIG. 565

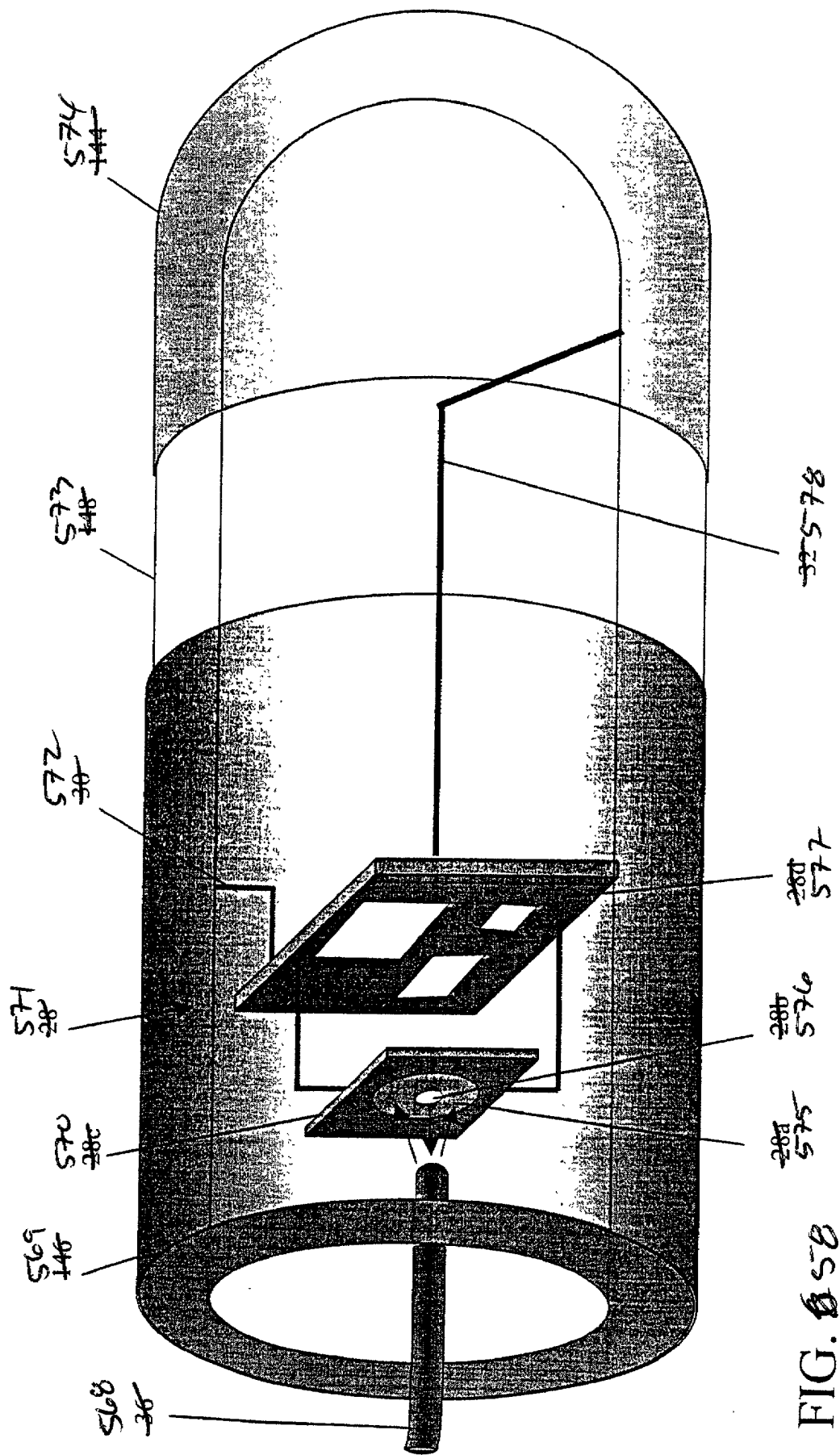
142567

32 564 148 565

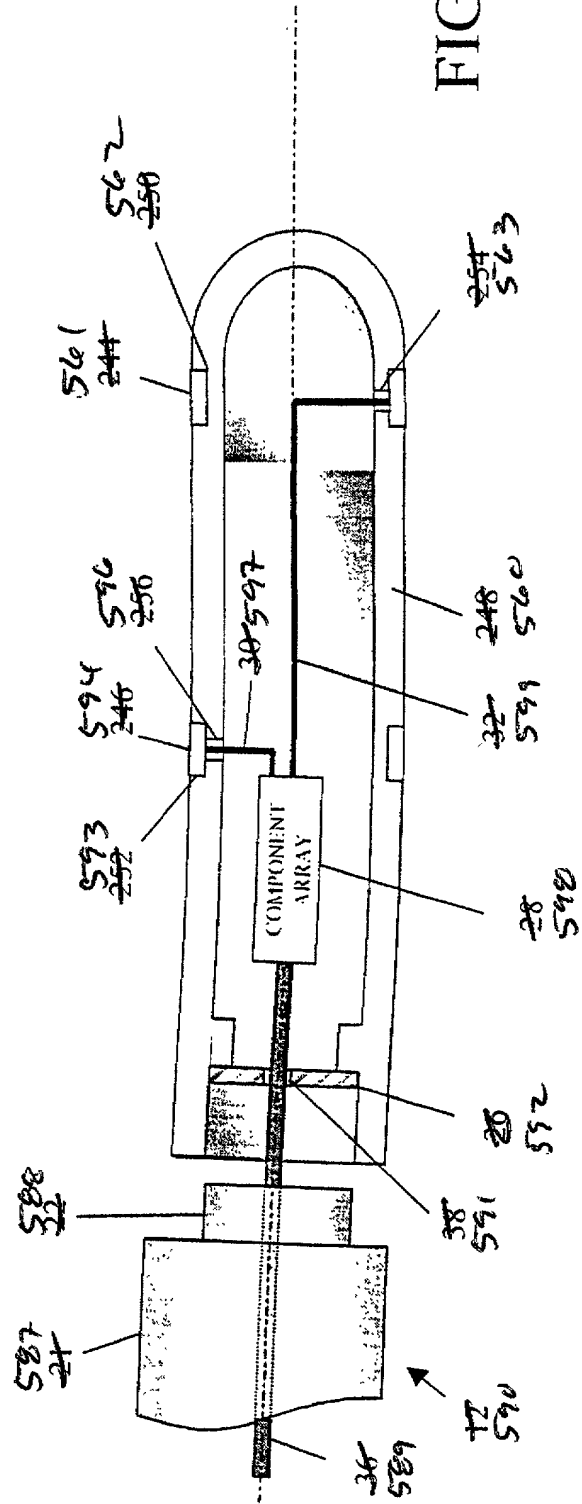
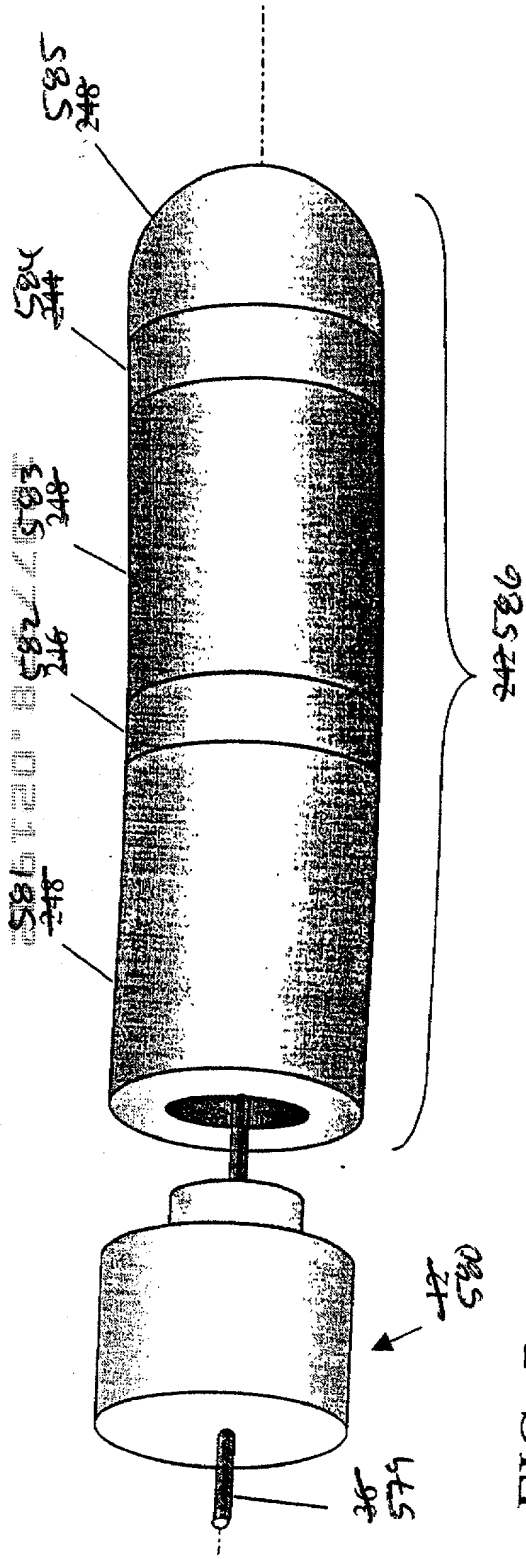
28 561

38 558 26 560

142557







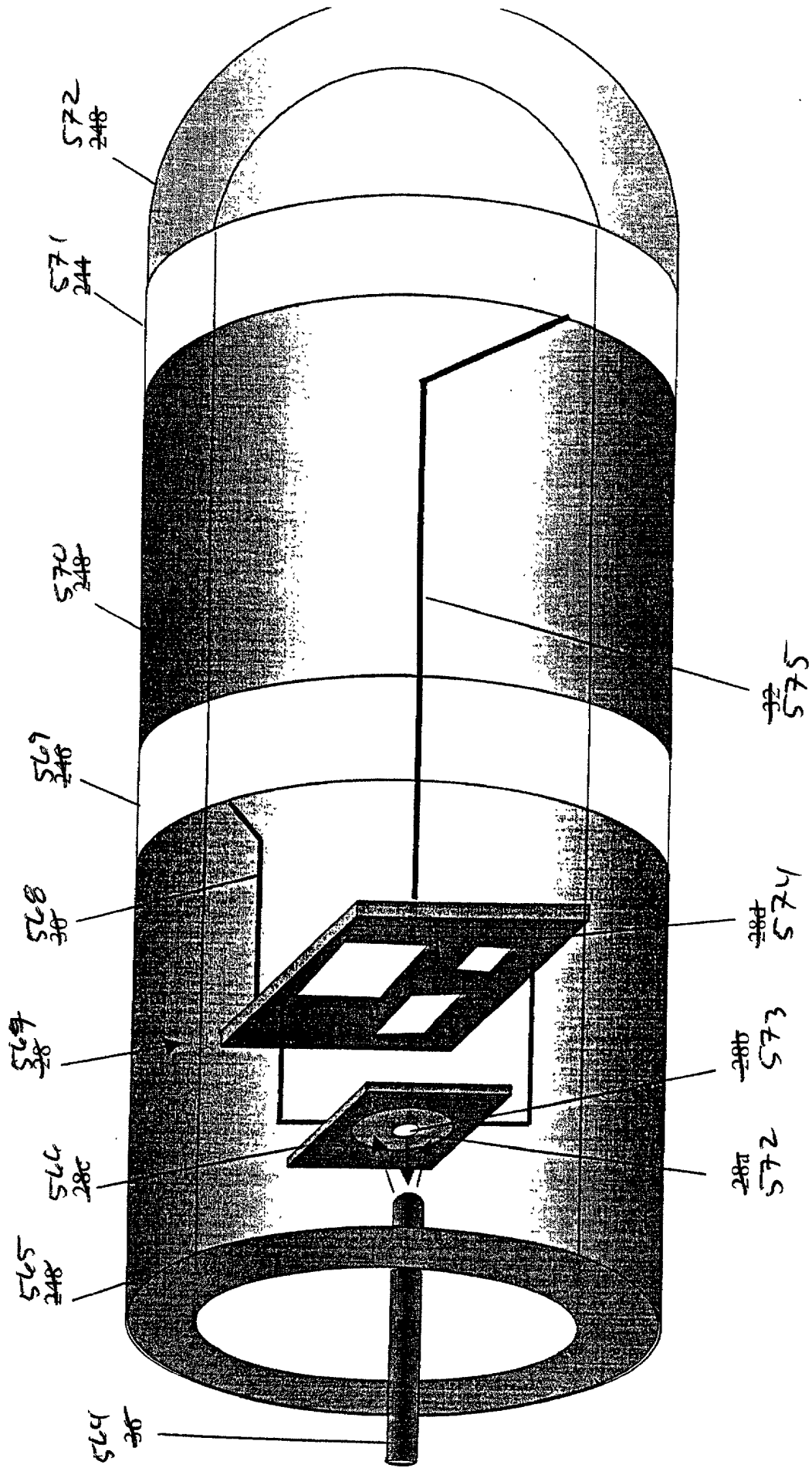


FIG. 261

1030

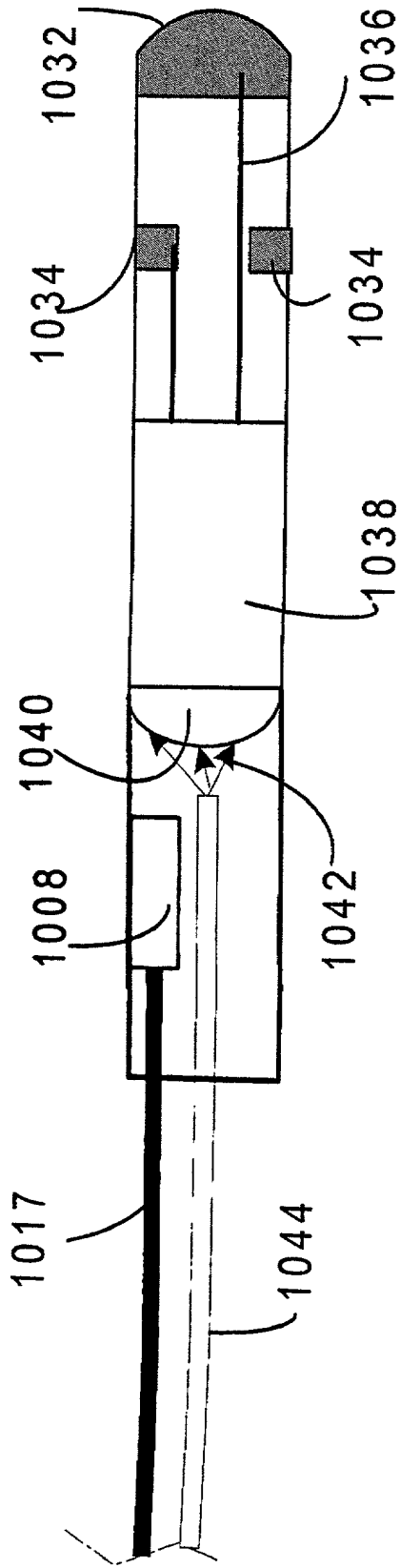


Fig. 10a62

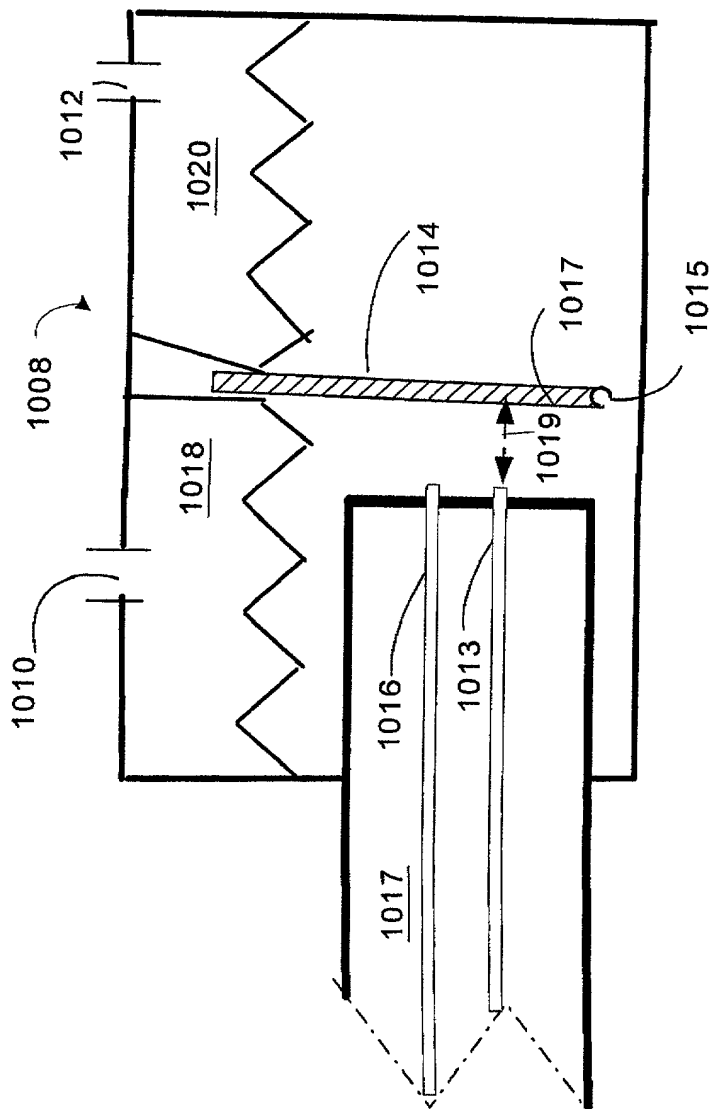


Fig. 10b 63

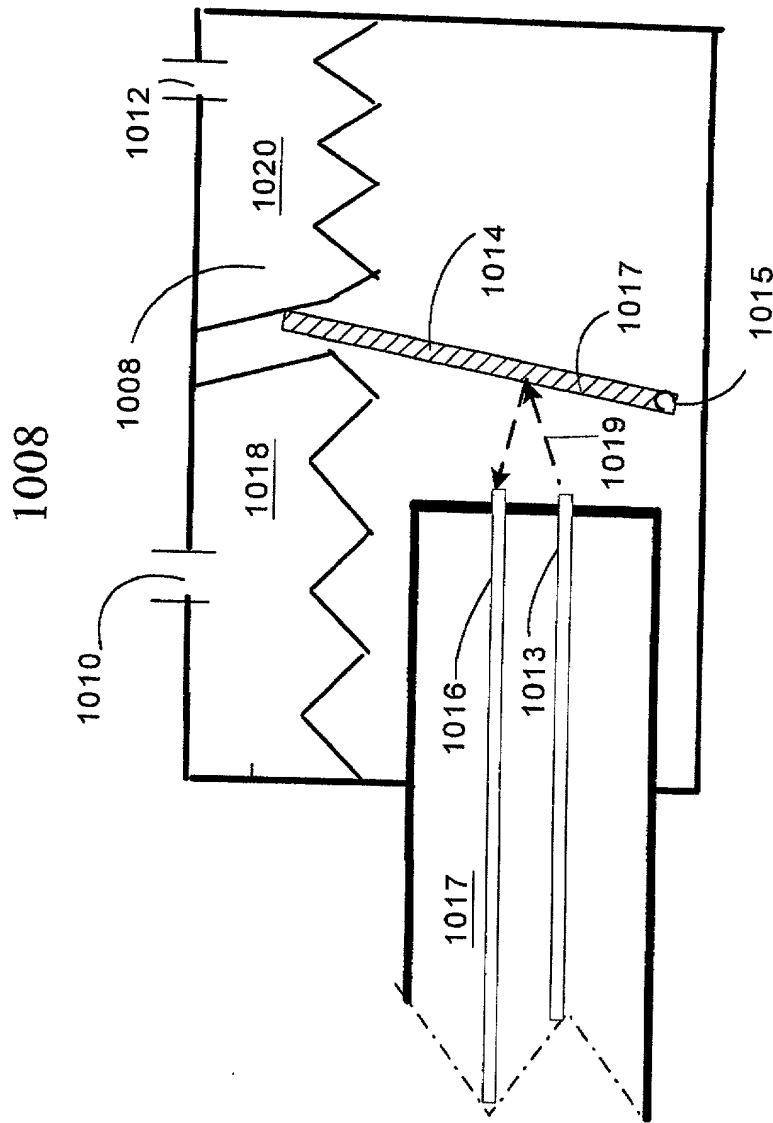
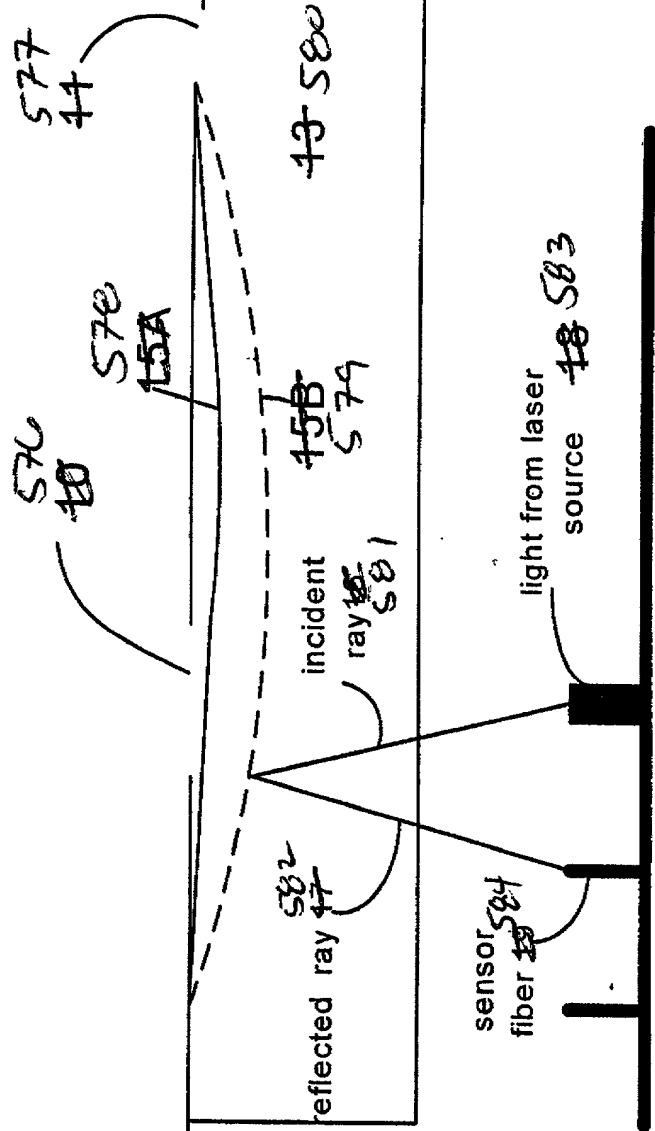


Fig. 10e<sup>64</sup>

FIGURE 65



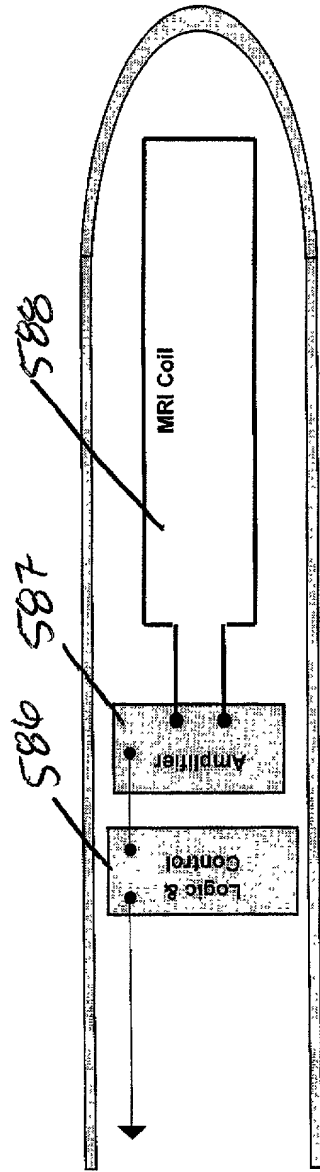


FIGURE 66

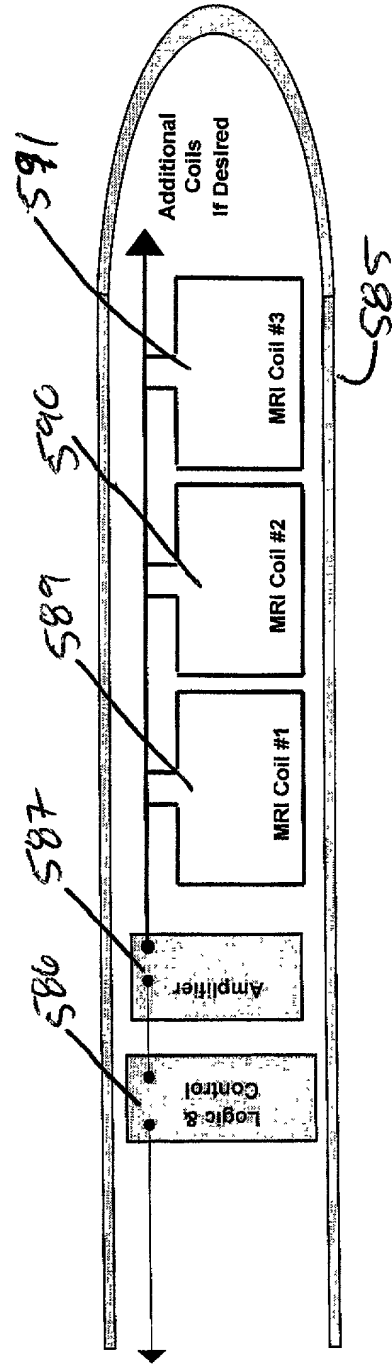


FIGURE 67

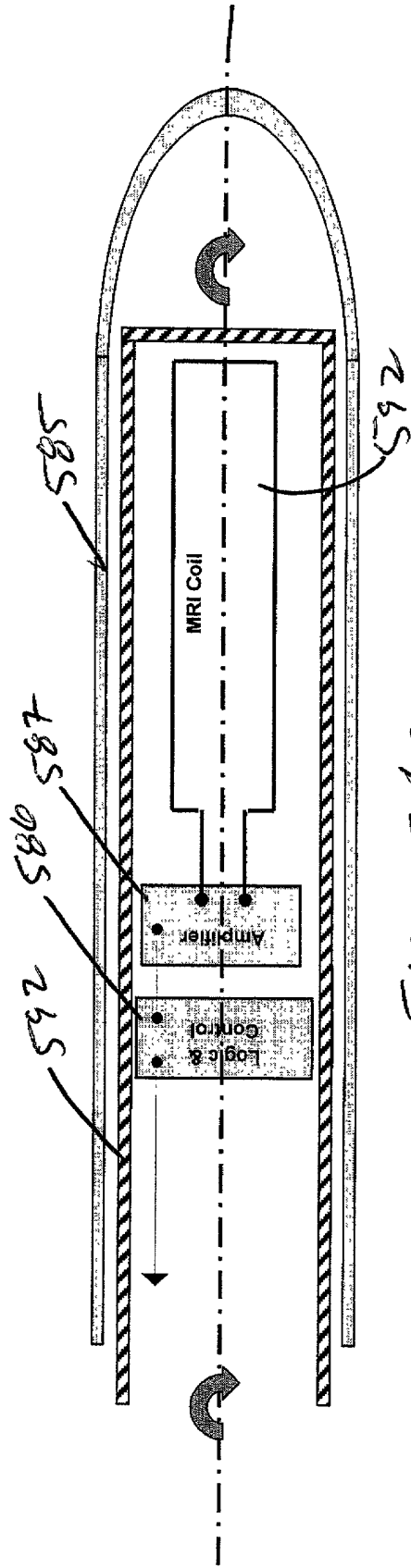


FIGURE 68

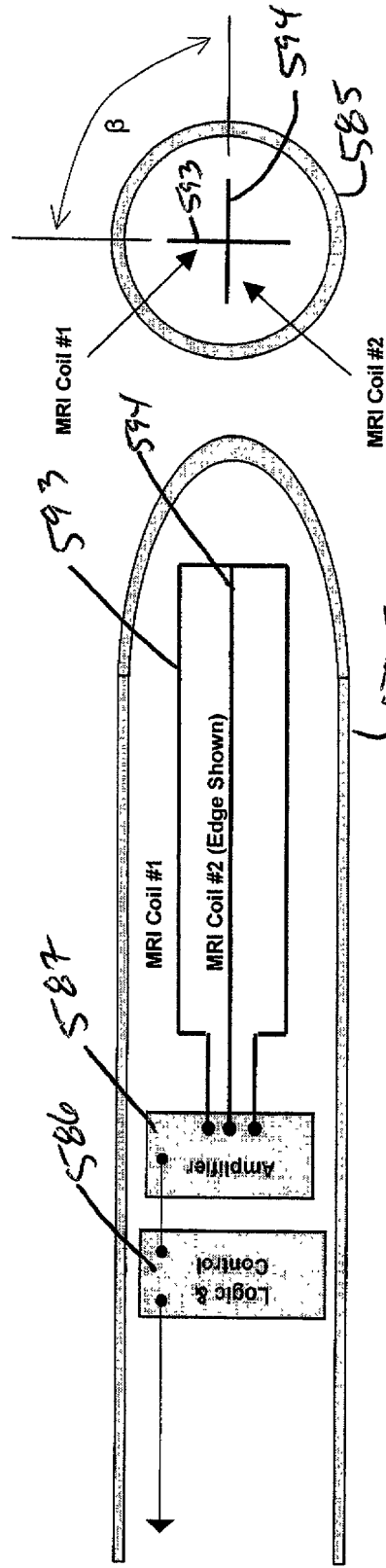


FIGURE 69



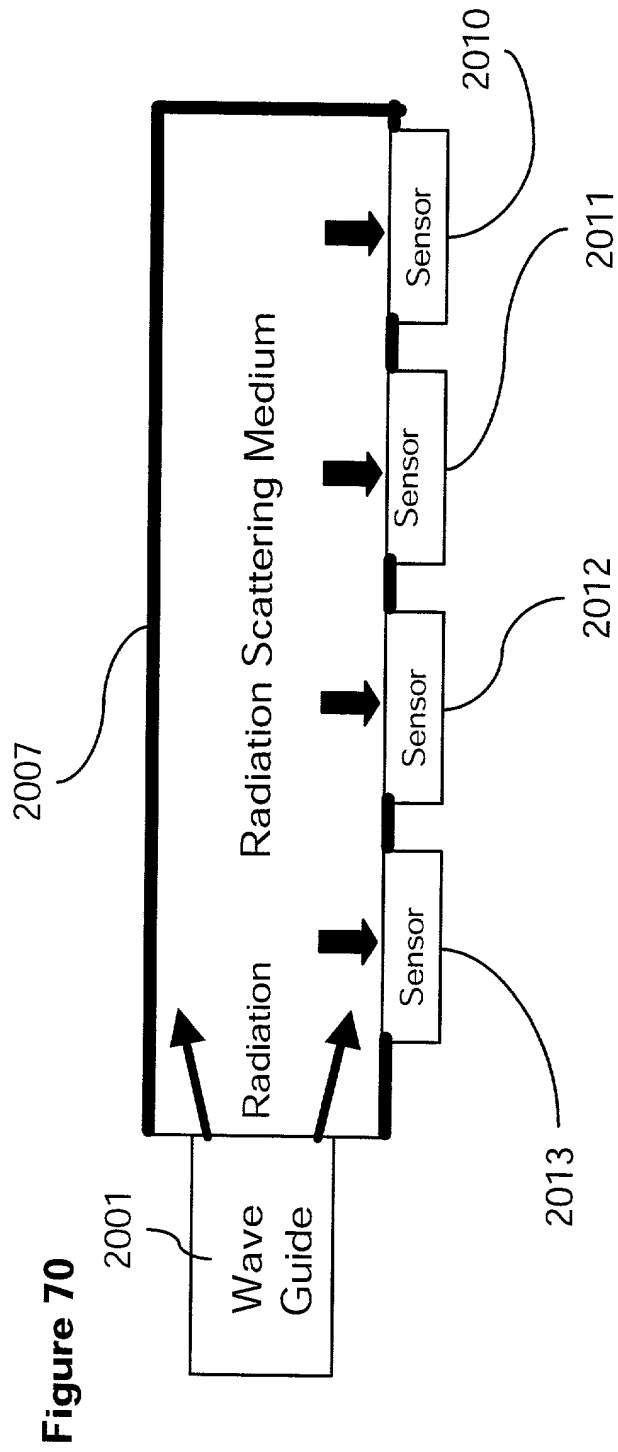


Figure 71

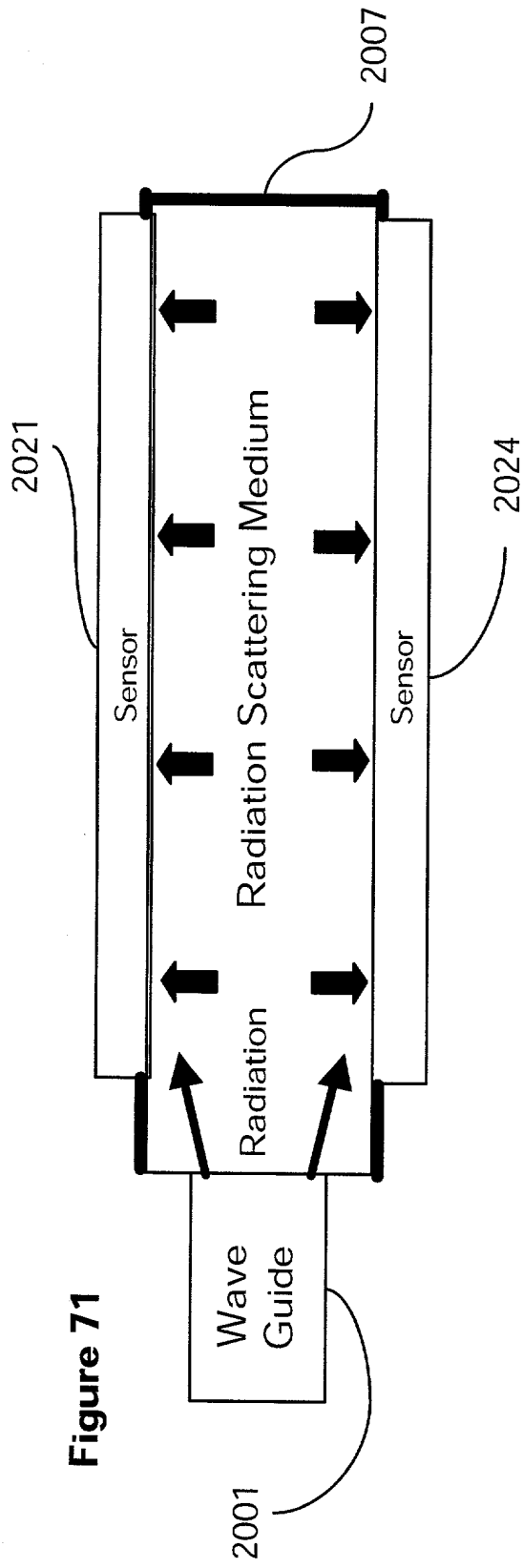


Figure 72

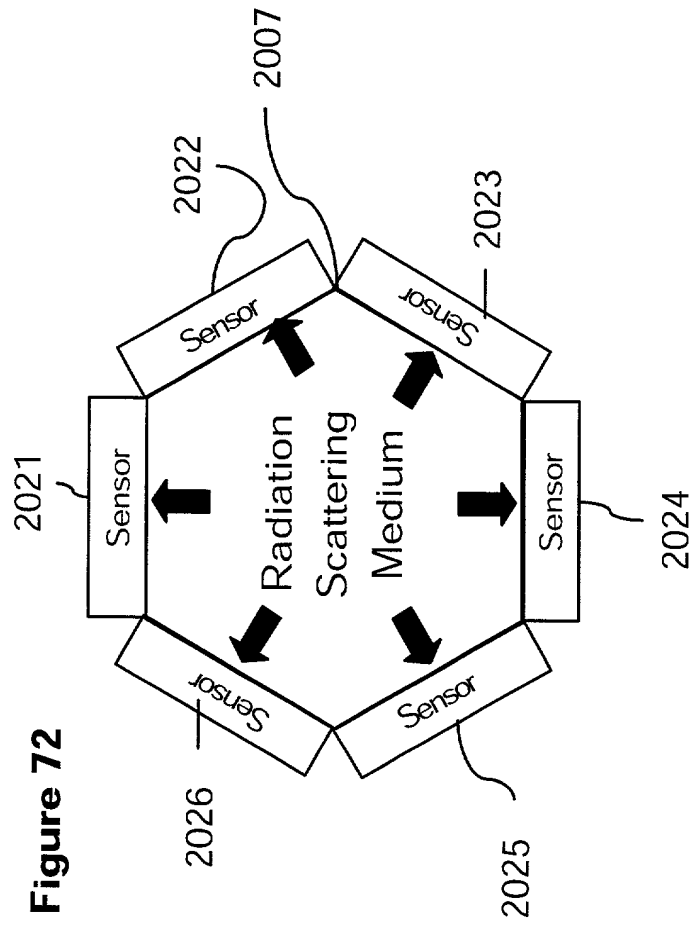


Figure 73

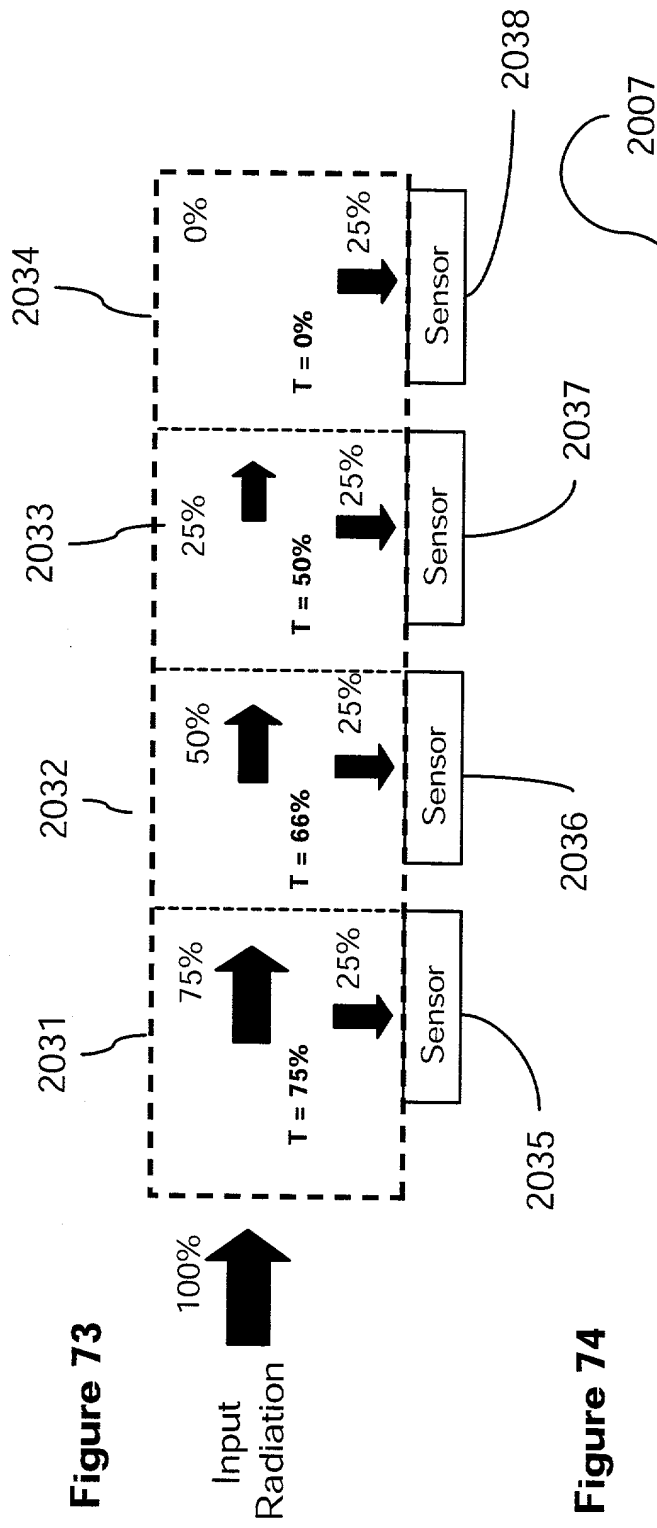


Figure 74

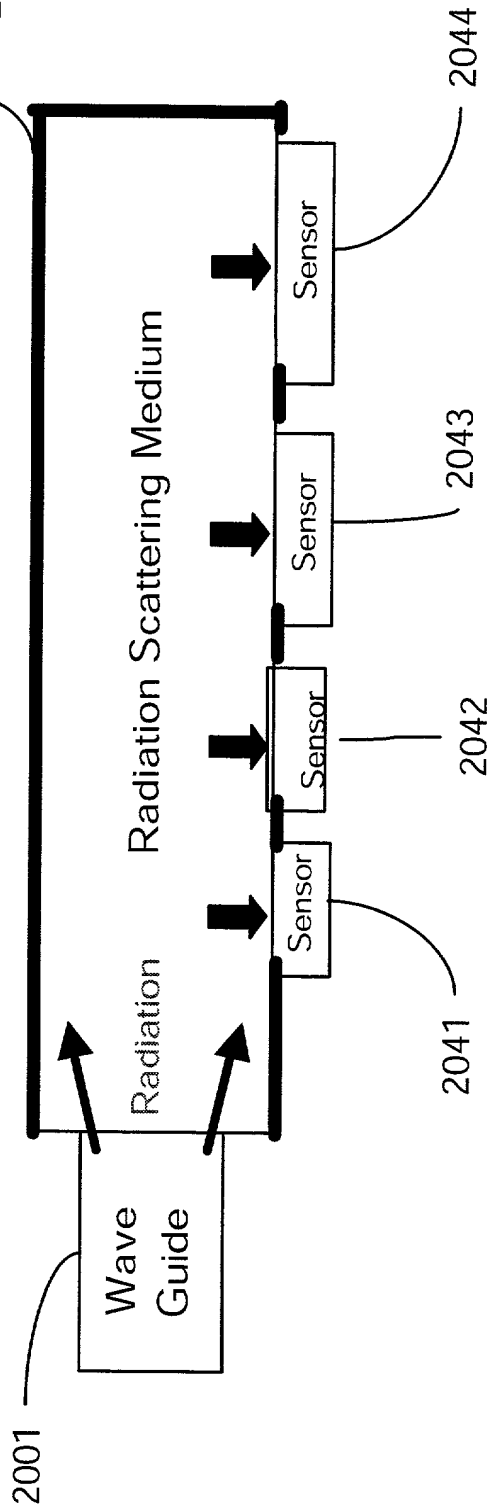


Figure 75

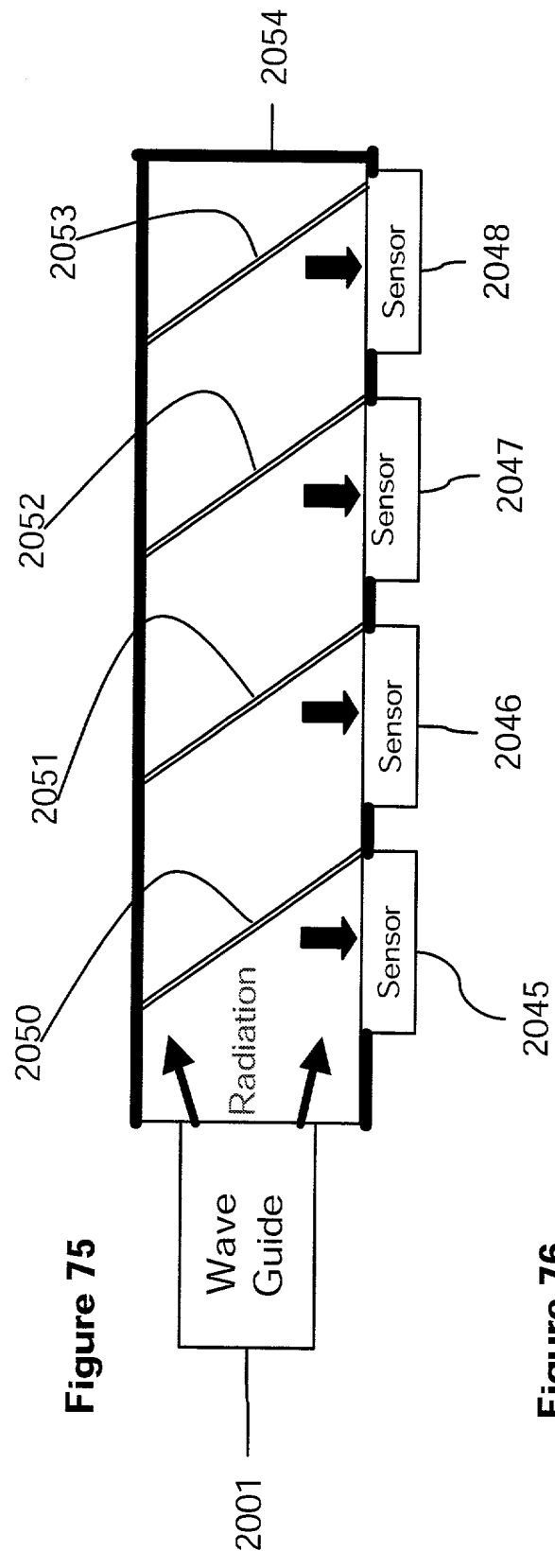


Figure 76

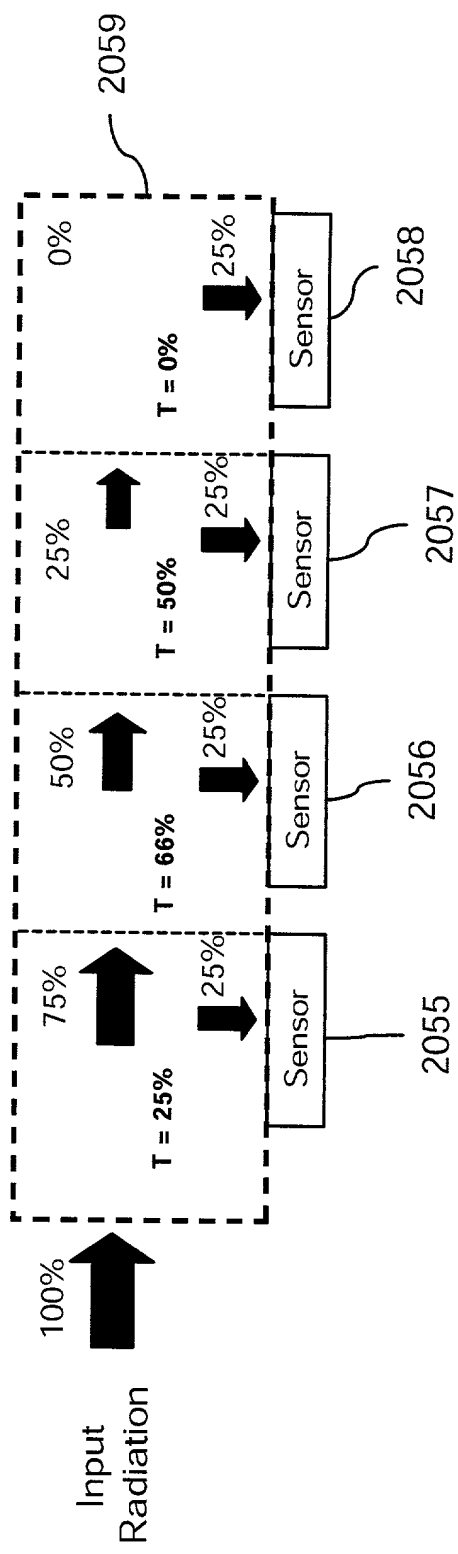


Figure 77

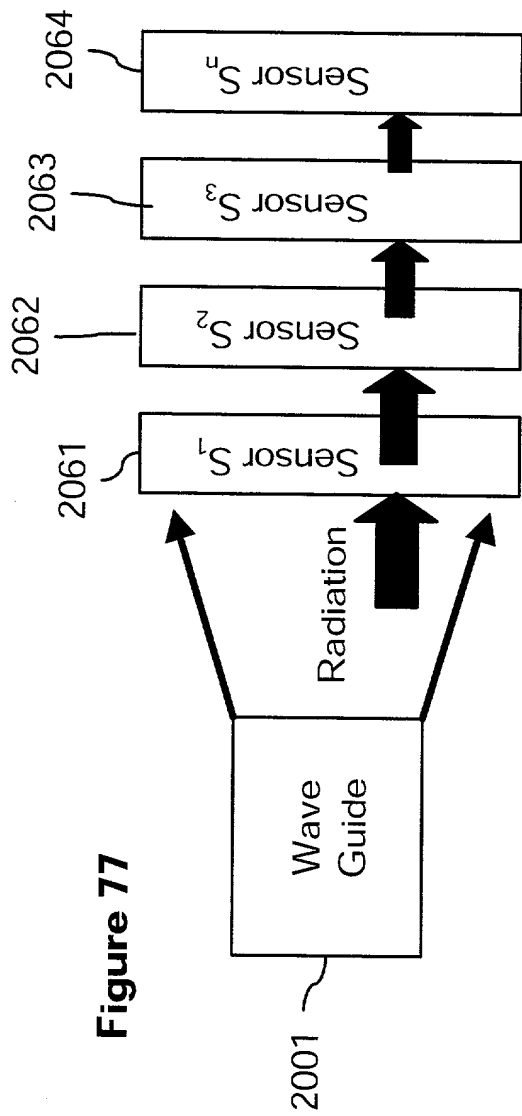
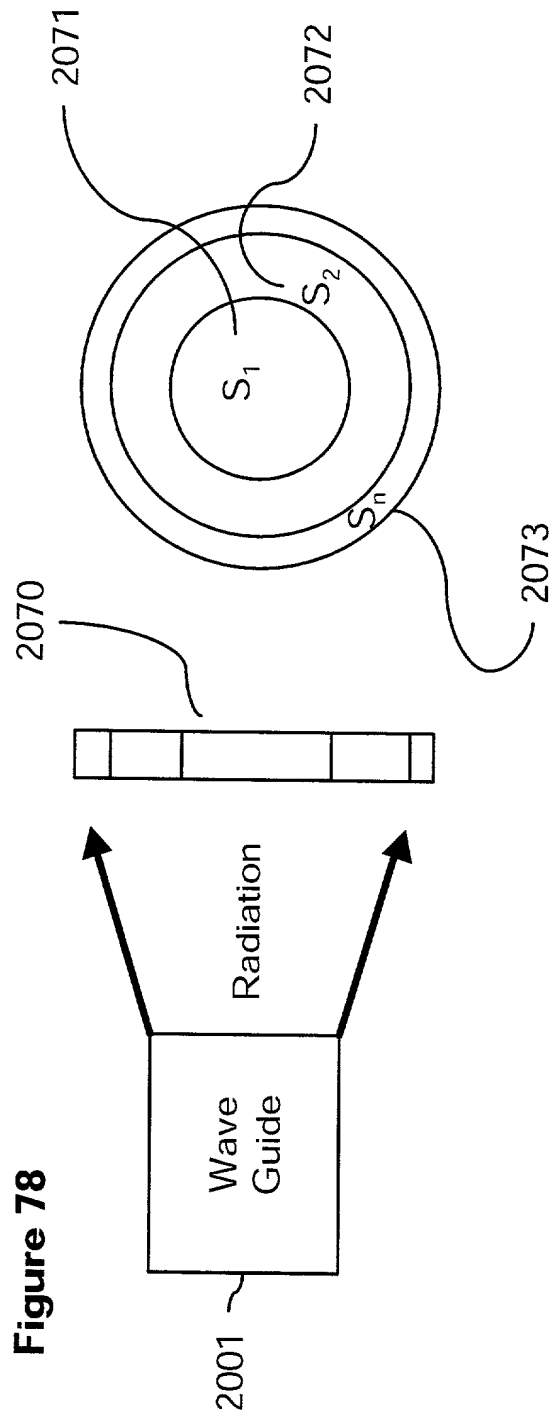


Figure 78





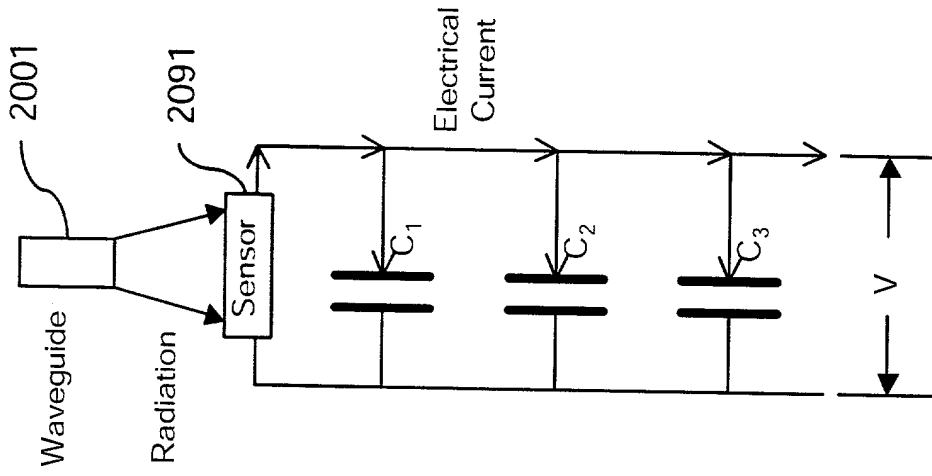


Figure 80

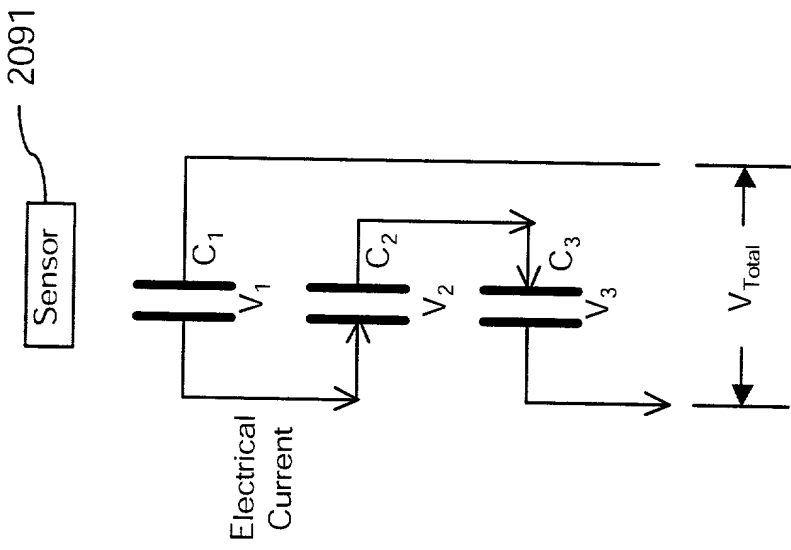


Figure 81

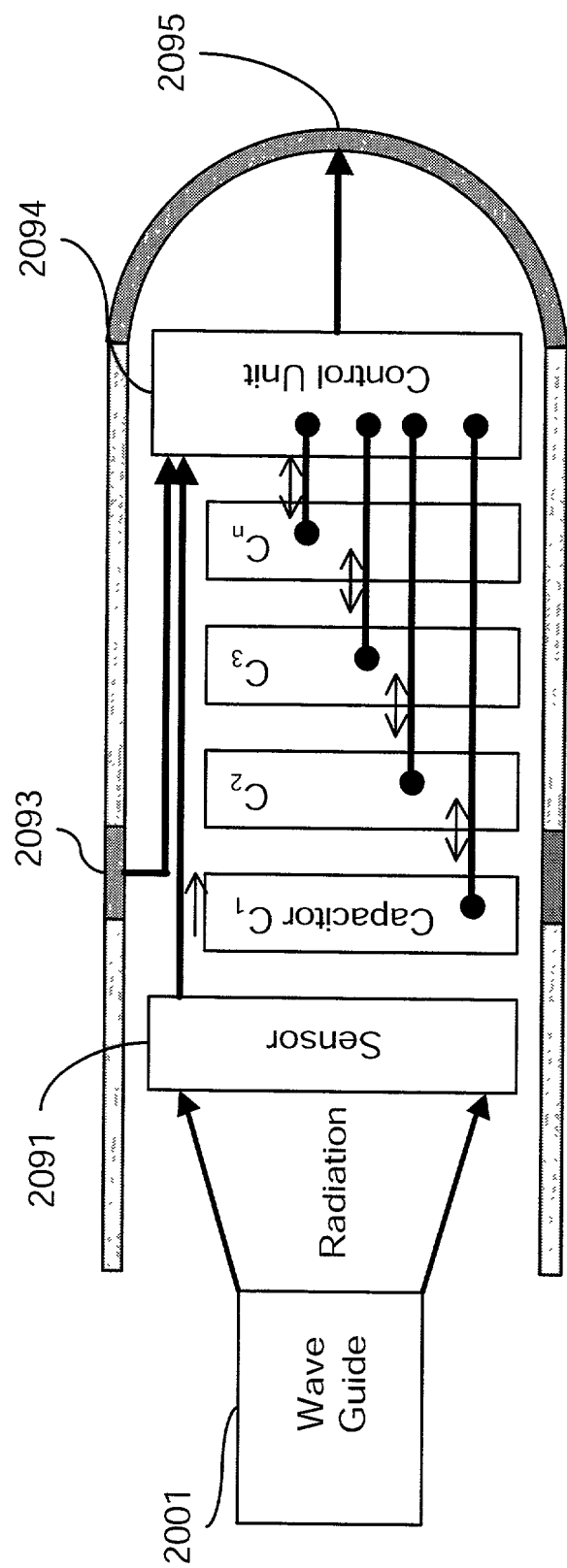


Figure 82



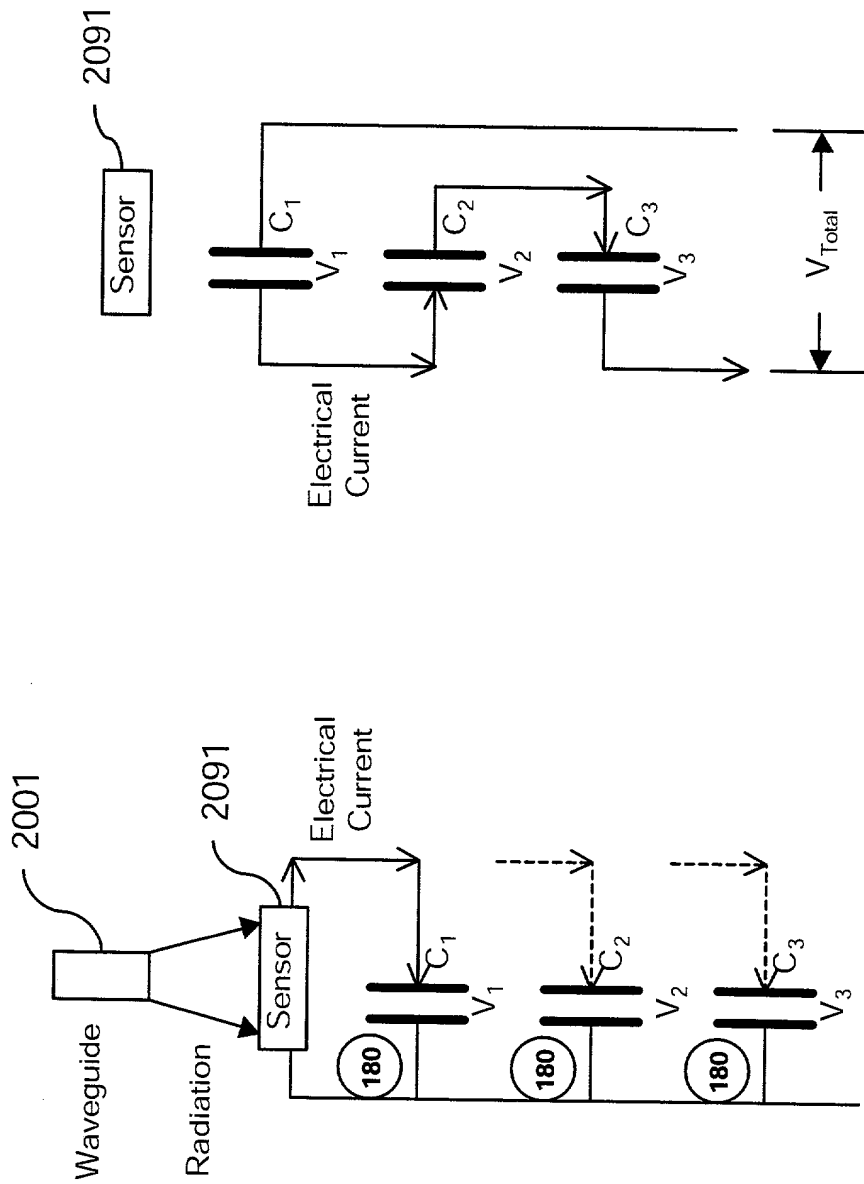


Figure 84

Figure 83

